SONY KV-1882E/R

MODEL

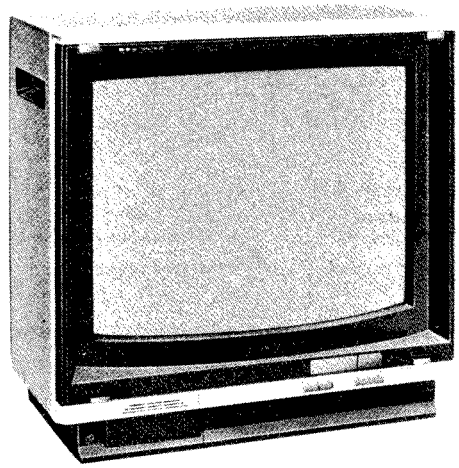
SERVICE MANUAL

KV-1882EC
RM-635

SERVICE MANUAL

Belgium Model

Chassis No. SCC-524G-A



October, 1984

XE-3 CHASSIS

SPECIFICATIONS

Television system	CCIR TV standards (system B, G and H)
Color system	PAL
Channel coverage	VHF channels E2–U20 (45–300 MHz) UHF channels E21–E68 (a total of up to 30 preselected channels)
Picture tube	Trinitron tube Approx. 47.2 cm 90 degree-deflection (Approx. 43.7 cm picture measured diagonally)
Antenna	75-ohm standard coaxial socket for UHF/VHF (DIN 45325/IEC 169–2)
Speaker	5 × 9 cm
Audio output	1.5 W
Power requirements	220–240 V AC, 50 Hz
Power consumption	90 W (IEC) 12.5 W in stand-by condition
Dimensions	Approx. 452 × 440 × 470 mm (w/h/d)
Weight	Approx. 19.4 kg
Accessory supplied	Remote Commander RM-635 (1)

Optional accessories

Teletext adaptor	OPK-103, OPK-203
SECAM adaptor	OPK-102

Design and specifications are subject to change without notice.

MICROFILM

TRINITRON® COLOR TV

SONY®

CTV

TABLE OF CONTENTS

Section	Title	Page
1. GENERAL		
1-1.	Location of Controls	3
1-2.	Programming	4
2. DISASSEMBLY		
2-1.	Picture Tube Removal	5
2-2.	Removal of Anode Cap	6
2-3.	OPK-203 Board Attaching	7
2-4.	OPK-102 Board Attaching	9
3. ADJUSTMENTS		
3-1.	SETUP ADJUSTMENTS	
3-1-1.	Beam Landing	12
3-1-2.	Convergence	13
3-1-3.	Sub BRT	13
3-1-4.	White Balance	14
3-1-5.	Focus	14
3-2.	CIRCUIT ADJUSTMENTS	
3-2-1.	F Board Adjustment	16
3-2-2.	A Board Adjustments	17
4. DIAGRAMS AND CIRCUIT BOARDS LOCATION		
4-1.	Circuit Boards Location	19
4-2.	Block Diagram	20
4-3.	Schematic Diagram	23
4-4.	Printed Wiring Board	27
	A Board	27
	H Board	29
	Z Board	29
	C Board	30
	N Board	30
	F Board	31
4-5.	Semiconductors	32
5. EXPLODED VIEWS		
5-1.	Back Cover	33
5-2.	Picture Tube	34
5-3.	Bezel Assy	35
6. ELECTRICAL PARTS LIST		36
REMOTE COMMANDER (RM-635)		
1.	Operation	46
2.	Buttons Used for VTR Operation	47
3.	Schematic Diagram	49
4.	Printed Wiring Boards	50
5.	Exploded View	51
6.	Electrical Parts List	52

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

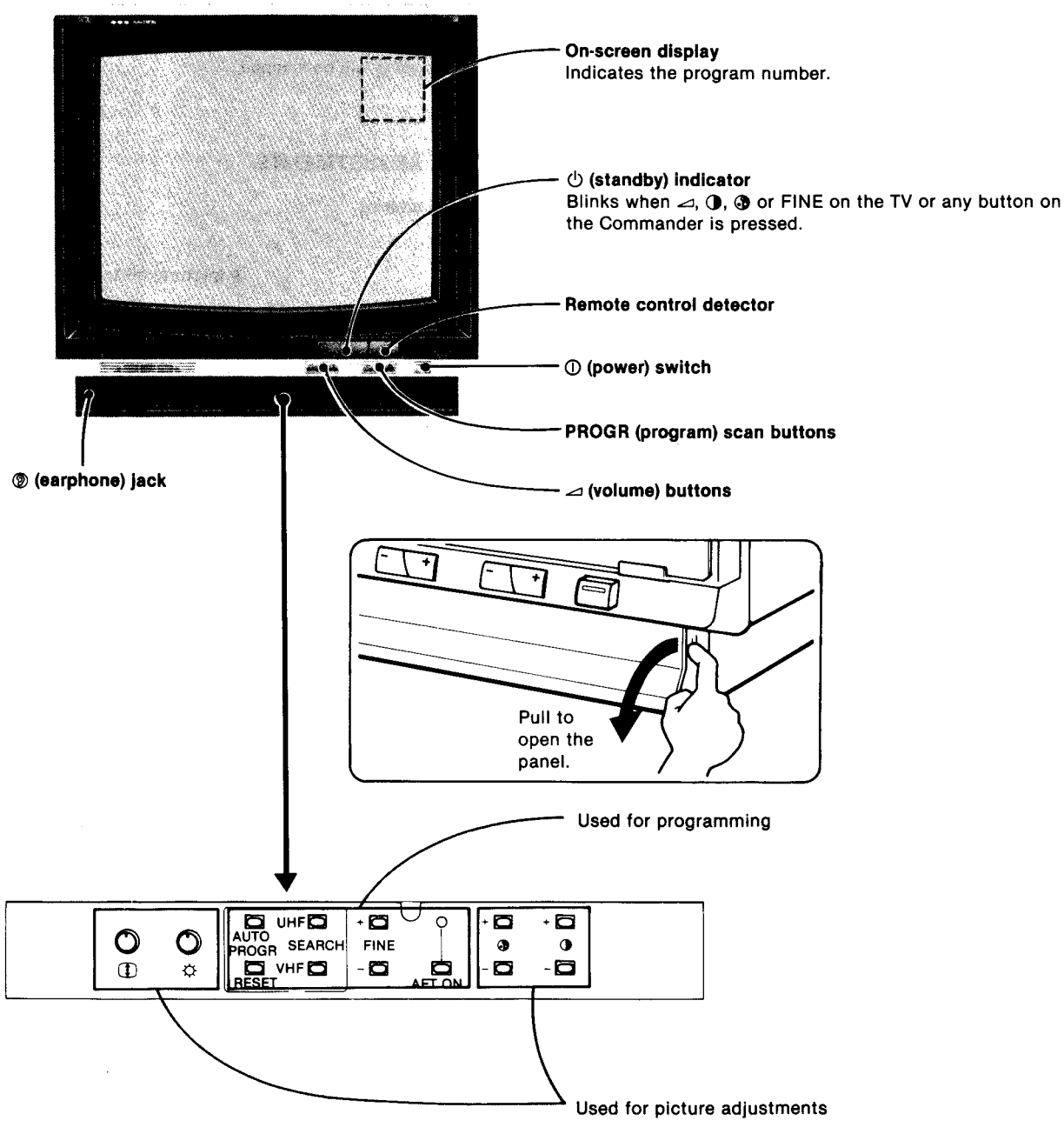
SECTION 1
GENERAL

FEATURES

- 18-inch remote-controlled Trinitron color TV
- Capable of preset tuning of up to 30 programs—for regular VHF or UHF broadcasts based on CCIR TV standards and PAL color system, or for monitoring the playback of a video tape recorder
- Both automatic and manual programming are available.
- On-screen display of the program number
- Built-in automatic fine tuning circuits
- Energy-saving quick-start picture system
- An optional OPK-103 or OPK-203 teletext adaptor can be installed. (For installation, consult your nearest Sony dealer.)
- SECAM color signals from East Germany can be received by installing an optional OPK-102 SECAM adaptor. (For installation, consult your nearest Sony dealer.)

1-1. LOCATION OF CONTROLS

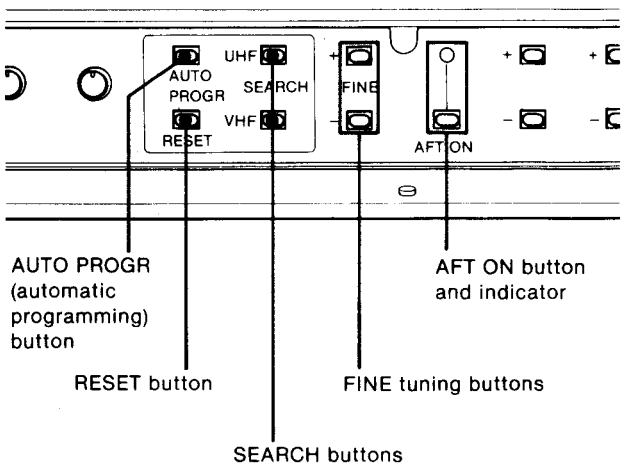
Front



1-2. PROGRAMMING

Automatic and manual programming are available. Automatic programming presets up to 30 receivable channels automatically from the lowest frequency to the highest. With manual programming the active channels can be preset in any desired sequence.

Panel opened



AUTOMATIC PROGRAMMING

1 Depress ⏻.
2 Press AUTO PROGR.
Automatic programming will start to tune in all receivable channels. When no more station can be located, program number "1" will light on the screen and automatic programming will stop. The programming mode will be canceled automatically.

MANUAL PROGRAMMING

1 Depress ⏻.
2 Press + or – PROGR to select the program where a channel is to be tuned in:
+ for a higher-numbered program, and – for a lower-numbered program
3 Press RESET and then VHF SEARCH or UHF SEARCH.
VHF SEARCH to locate a VHF channel E2–U20, and UHF SEARCH to locate a UHF channel E21–E68.
The first channel found will appear and the program number will stop blinking. Every time you press SEARCH, a higher-numbered channel will be tuned in. Repeat pressing until the desired channel is found.

Repeat steps for all desired channels.

FINE-TUNING OF A WEAK STATION

If the picture of a particular channel is not acceptable, keep + or – FINE pressed until the picture becomes clearer. When either FINE is pressed, the automatic fine tuning on the selected channel is deactivated and the AFT ON indicator goes off. To view this particular channel, keep the automatic fine tuning deactivated. (Do not press AFT ON.) When other channels are selected, the automatic fine tuning activates automatically.

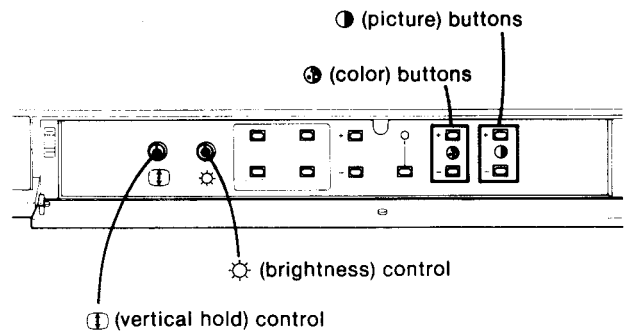
SKIPPING UNUSED PROGRAMS

Press RESET when the program number display shows an unused position. The program number will blink.

Later, when you press PROGR +/– on the Commander, the unused positions will be skipped.

PICTURE ADJUSTMENTS

Front panel opened



Press ◑: + to increase picture contrast or – to decrease it.
Press ◒: + for more color intensity or – for less color intensity.
Turn ☼ clockwise for more brightness or counterclockwise for less brightness.
Turn ⏀ to stabilize the picture if it rolls vertically.

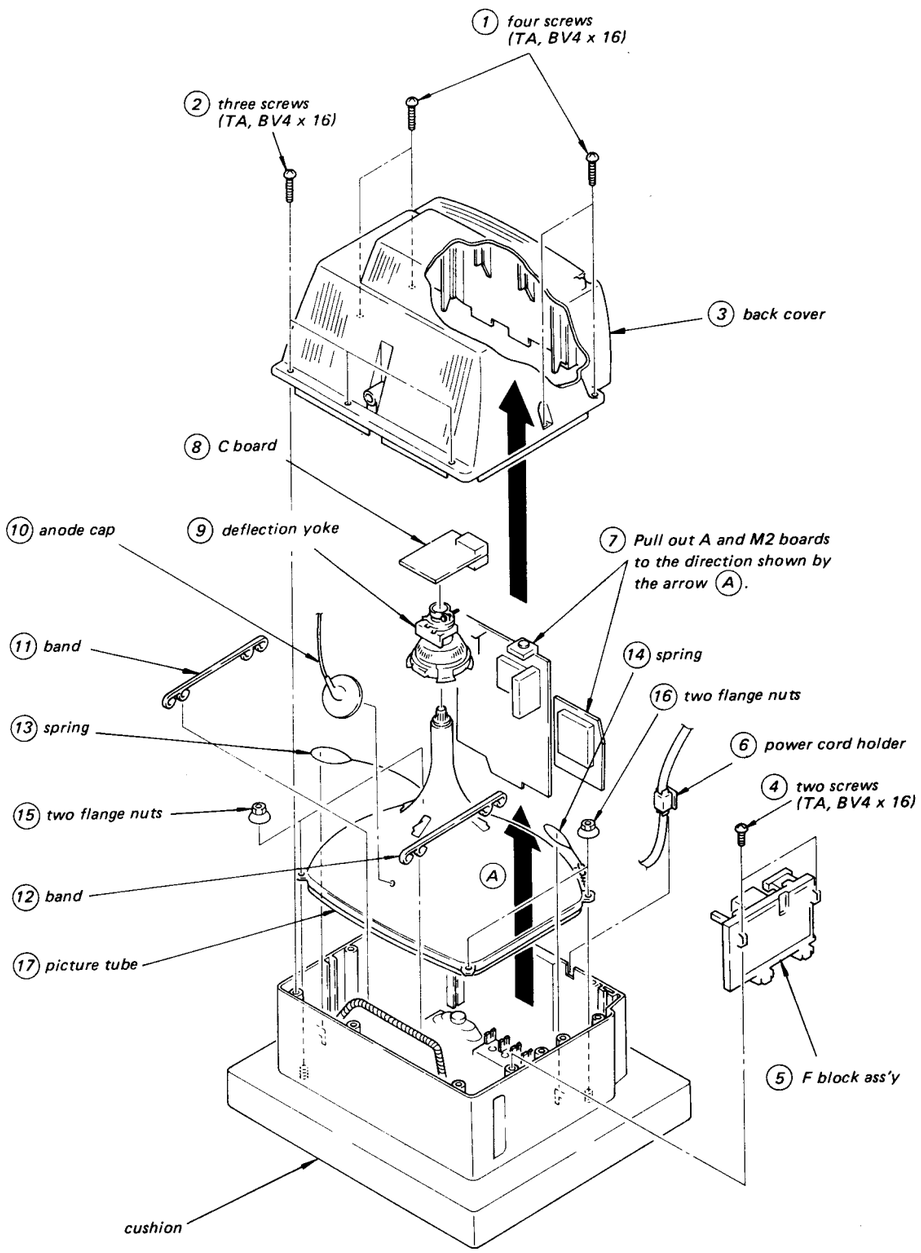
For everyday change of the picture contrast and color intensity, use ◑ and ◒ on the Commander.

To return the picture contrast and color intensity to the factory setting, press →· ← on the Commander.

SECTION 2
DISASSEMBLY

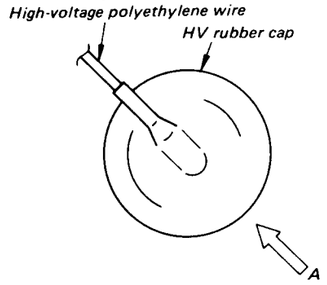
2-1. PICTURE TUBE REMOVAL

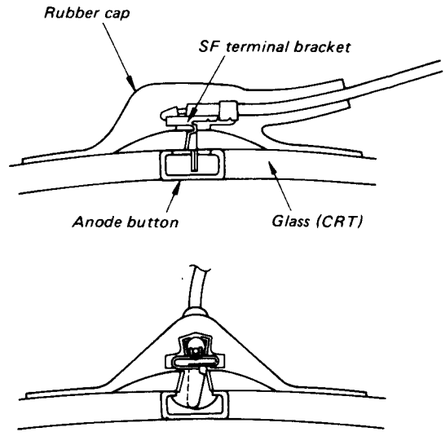
Note: Follow the disassembly procedure in the numerical order given.


(1) four screws (TA, BV4 x 16)
(2) three screws (TA, BV4 x 16)
(3) back cover
(8) C board
(10) anode cap
(9) deflection yoke
(7) Pull out A and M2 boards to the direction shown by the arrow (A).
(11) band
(14) spring
(16) two flange nuts
(13) spring
(6) power cord holder
(4) two screws (TA, BV4 x 16)
(15) two flange nuts
(12) band
(17) picture tube
(5) F block ass'y
cushion

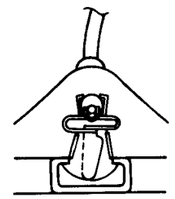
2-2. REMOVAL OF ANODE CAP

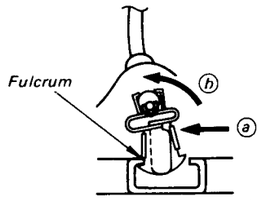
- **Anode Cap Structure**



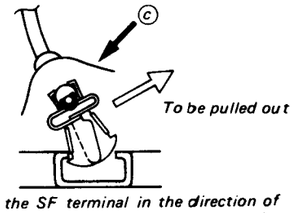


- **Removal of SF Terminal**


Normal inserting position

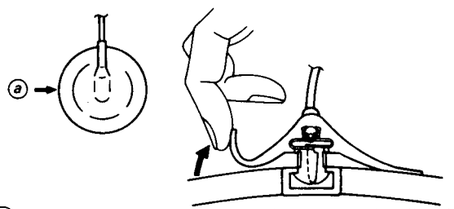


When pushing in the direction indicated by the arrow (a), the SF terminal tilts toward the fulcrum side due to the spring characteristic.
Remove it by pulling up in the direction indicated by the arrow (b) with the SF terminal tilted.

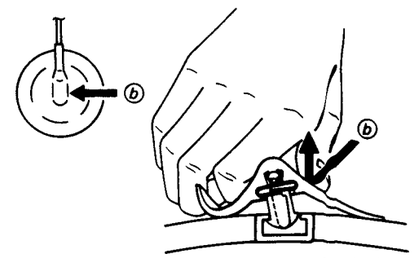


Tilt the SF terminal in the direction of the arrow (c) and pull out it in the direction (of 45°) indicated by the arrow.

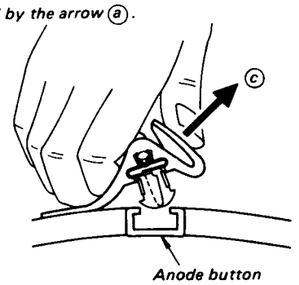
- **Removing Procedures**



(1) Turn up one side of the rubber cap in the direction indicated by the arrow (a).



(2) Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow (b).

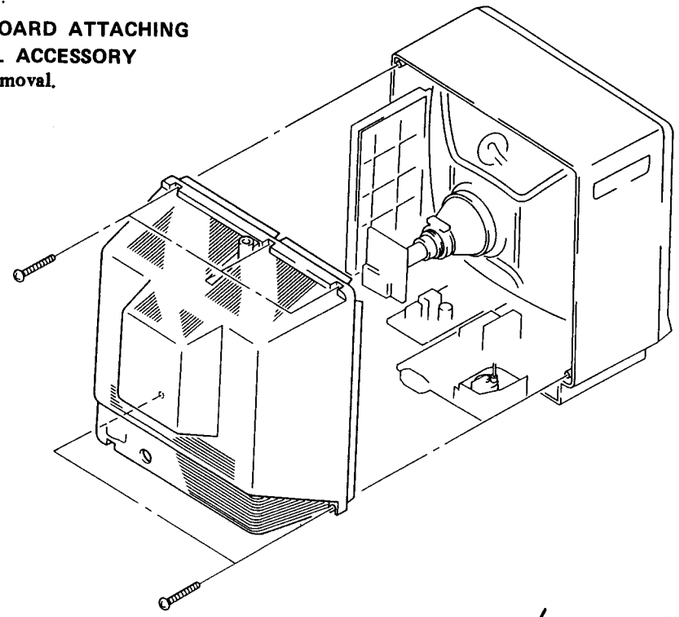


(3) When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow (c).

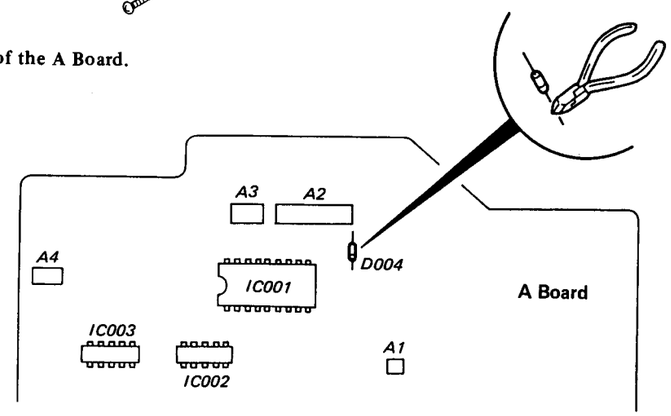
Before installing OPK-203 and OPK-102 unplug the set from the wall outlet.
After the installation is completes, check that the TV operates properly.

2-3. OPK-203 BOARD ATTACHING OPTIONAL ACCESSORY

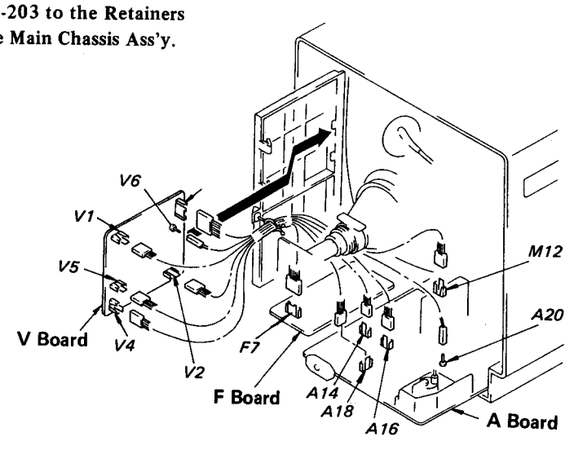
1. Rear Cover Removal.



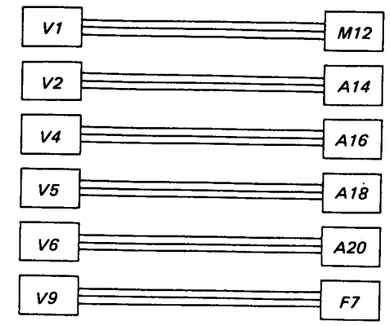
2. Cut Out the D004 of the A Board.

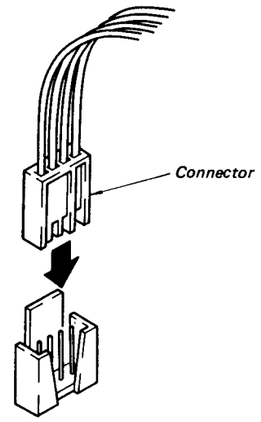


3. Attach the OPK-203 to the Retainers and Pull Out the Main Chassis Ass'y.



4. Connect to the Same Number Terminal as the Connector.a



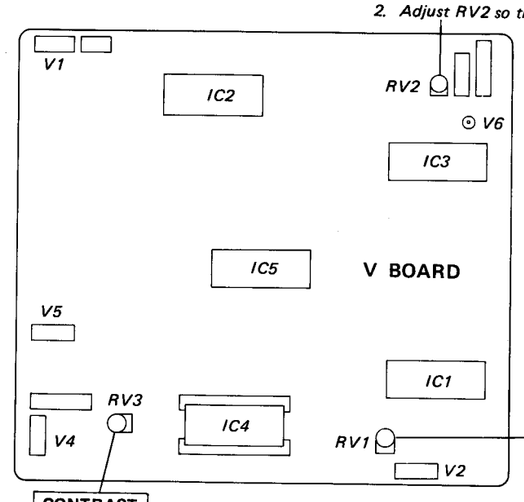


5. Adjustments.

FIELD SYNC

1. Tune in an TEXT signal.

2. Adjust RV2 so that the letter does not move.



V. SHIFT LEVEL

Do not touch the variable resistor.

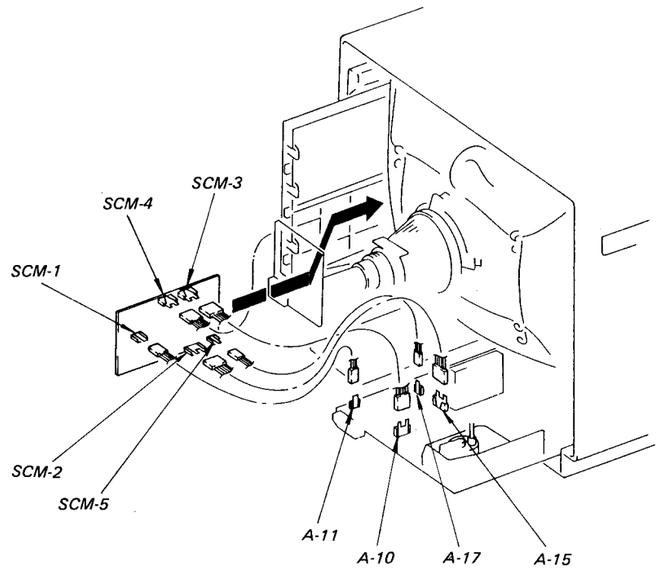
CONTRAST

After connecting the cable, turn in the power and adjust the picture contrast by using the screw driver.

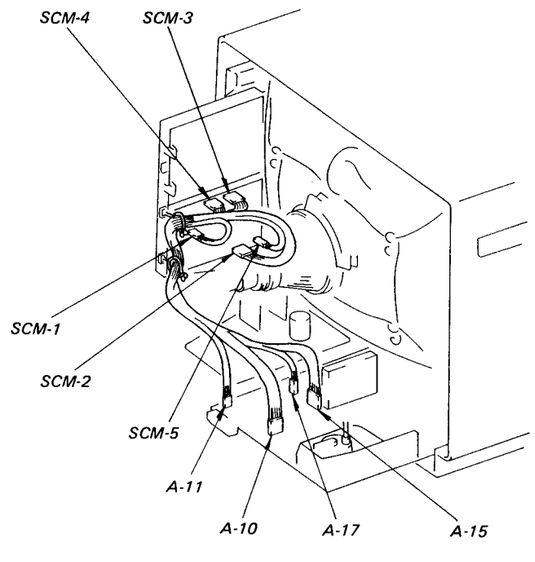
KV-1882EC
RM-635

2-4. OPK-102 BOARD ATTACHING

1. OPK-102 Board Mounting.

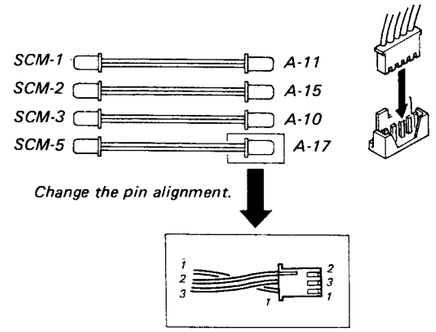


2. Attach the OPK-102 to bundle the cords with the cord clamp.

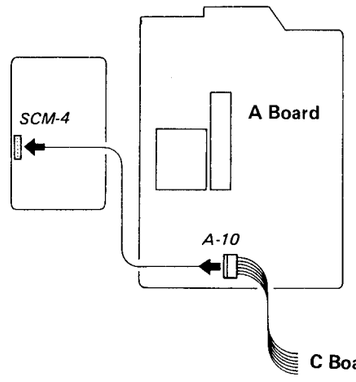


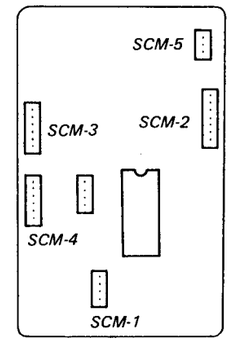
CONNECTOR CONNECTING

Connect the other end of the harness connected to the OPK-102 board to each connector on the A and C boards, respectively, as shown in the figure below.
(Refer to the connector arrangement on the A, C and OPK-102 boards.)



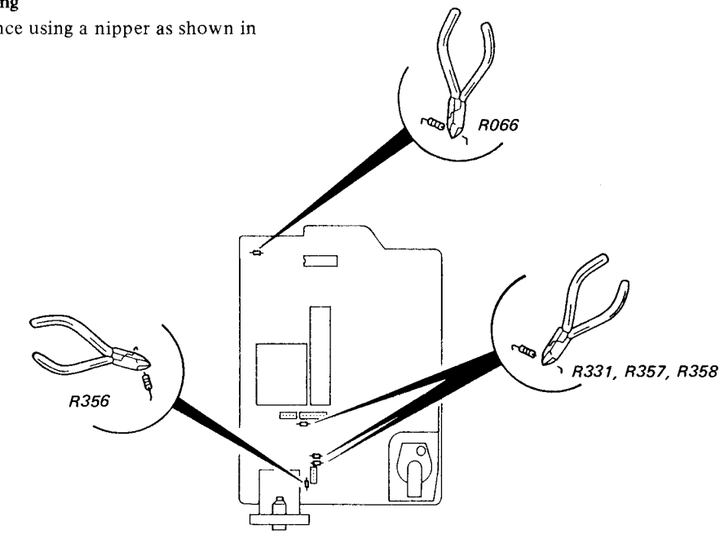
Disconnect and connect to SCM-4





Connector arrangement on OPK-102 board.

3. **A Board Remodeling**
Cut off the resistance using a nipper as shown in the figure.



4. Adjustm

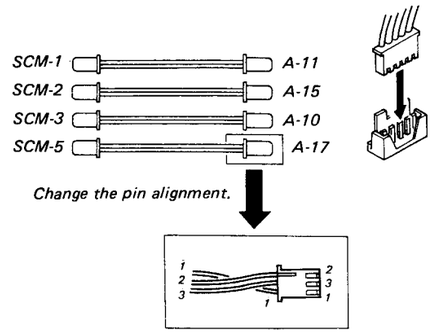
- Plug the
- Connect
- Select th
- Select th

wrong pattern
(too pale color)

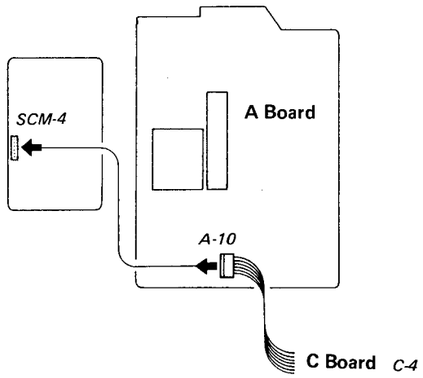
KV-1882EC
RM-635

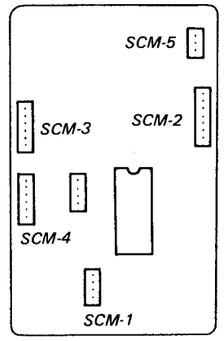
CONNECTOR CONNECTING

Connect the other end of the harness connected to the OPK-102 board to each connector on the A and C boards, respectively, as shown in the figure below.
(Refer to the connector arrangement on the A, C and OPK-102 boards.)



Disconnect and connect to SCM-4

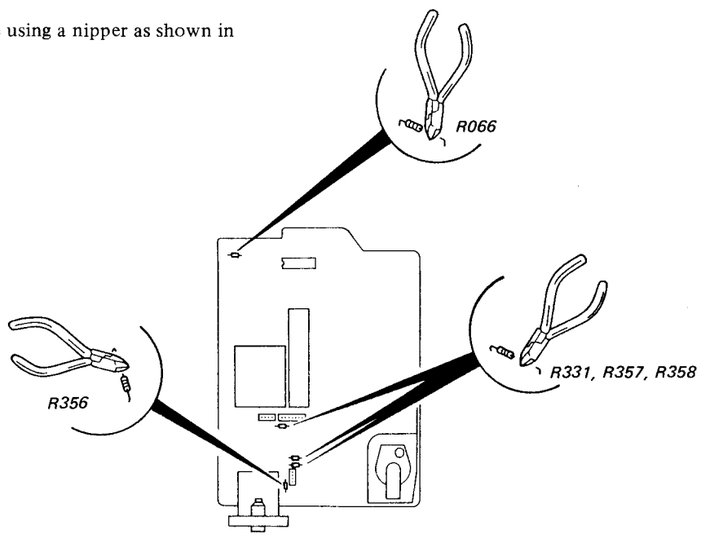




Connector arrangement on OPK-102 board.

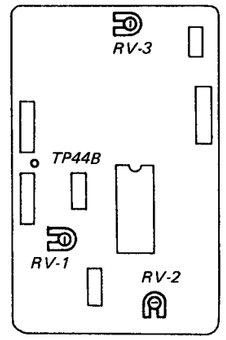
3. A Board Remodeling

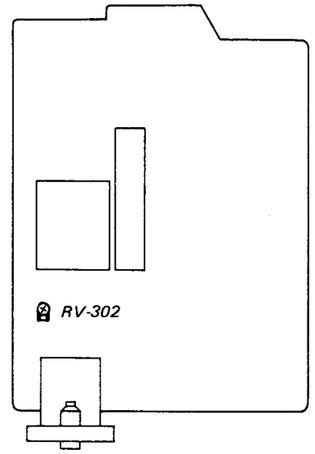
Cut off the resistance using a nipper as shown in the figure.



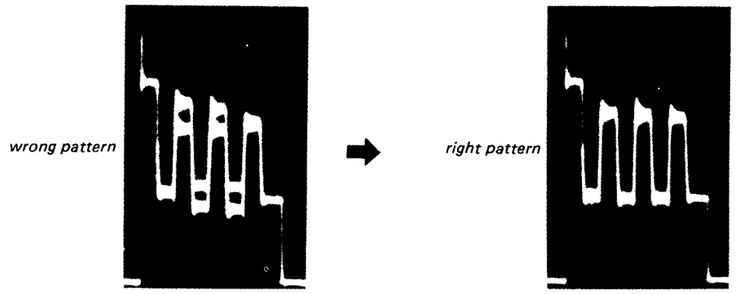
4. Adjustments

A Board

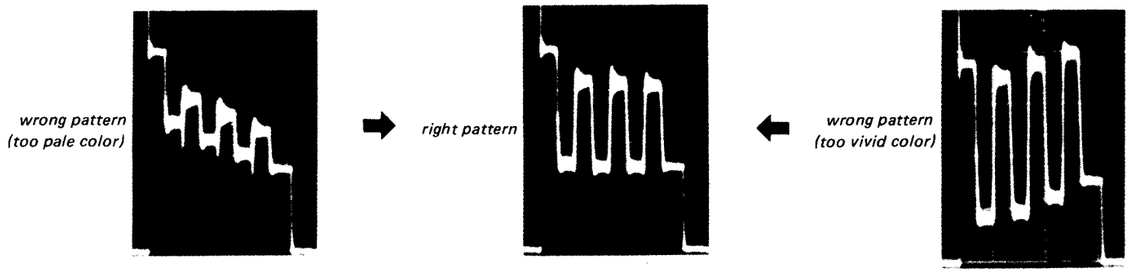




- Plug the set to a wall outlet and turn on the power.
- Connect the oscilloscope to the TP44B oscilloscope test pin on the OPK-102.
- Select the SECAM color channel and adjust the color bar pattern (RV-3).



- Select the PAL color channel and adjust the color bar pattern (RV302).



SECTION 3
ADJUSTMENTS

3-1. SETUP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unles otherwise noted:

◑PICTURE control . . . . . NORMAL

☼BRIGHTNESS control . . . . . MECHANICAL CENTER

AFT switch . . . . . ON

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. SUB BRT
4. White Balance
5. FOCUS

Note: Test Equipment Required.
1. Color-bar/Pattern Generator
2. Degausser

3-1-1. BEAM LANDING

Preparation:

- Feed in the white pattern.
- Before starting, degauss the entire screen.

1. Loosen deflection yoke screw.
2. Adjust purity control as shown in Fig. 3-1.
3. Slide deflection yoke as far forward as it will go.
4. Disconnect leads (G) and (B) on the C board.
5. Adjust purity control to center vertical red band as shown in Fig. 3-2.
6. Slide deflection yoke back for a uniform red screen.
7. Check green and blue rasters for uniformity by performing the same way as steps 4, 5 and 6.
   To get a uniform green screen,
   connect lead (G) on the C board and disconnect leads (R) and (B).
   To get a uniform blue screen,
   connect lead (B) on the C board and disconnect leads (R) and (G).
   After these checks, connect the leads (R), (G) and (B).
8. Tighten the deflection yoke screw.
9. Check if mislanding appears at corners a–d as shown in Fig. 3-3. If mislanding is observed, correct it as shown in Fig. 3-3.
10. Confirm that beam landing is correct when the receiver is faced in all directions.

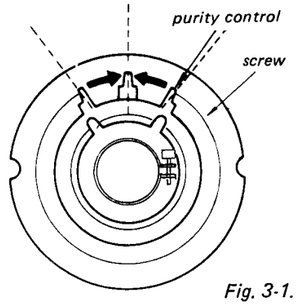


Fig. 3-1.

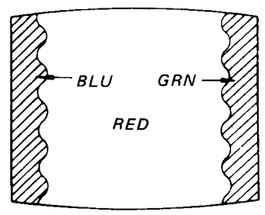
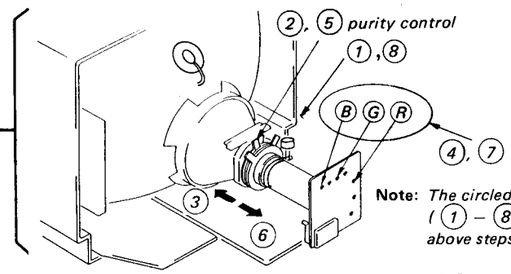


Fig. 3-2.



Note: *The circled numbers ((1) – (8)) show above steps.*

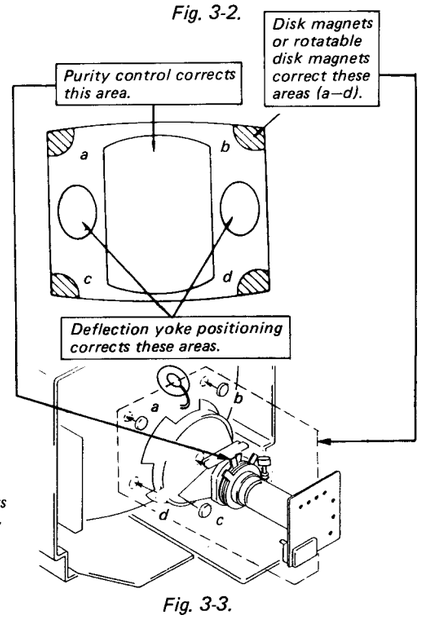


Fig. 3-3.

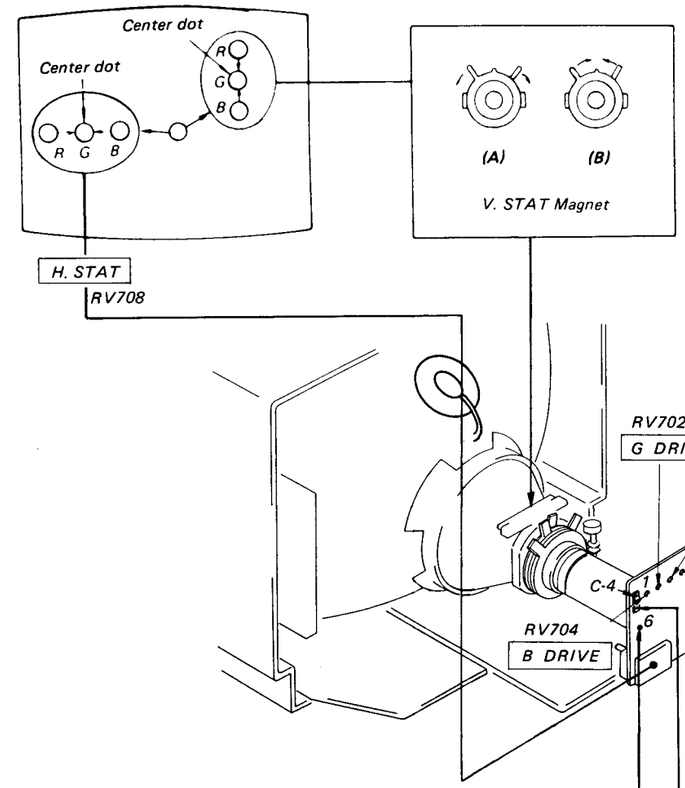
KV-1882EC
RM-635

3-1-2. CONVERGENCE

Preparation:

- Before starting, perform FOCUS, H. SIZE, V. SIZE and V. LIN adjustments.
- Set BRIGHTNESS control to fully counterclockwise.
- Feed in the dot pattern.

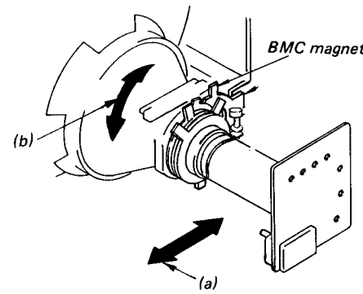
(1) Horizontal and Vertical Static Convergence



If blue dot does not coincide with red and green dots, perform following steps.

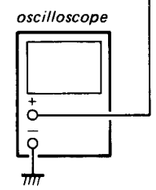
Move BMC magnet (a) to correct insufficient H. static convergence.
Rotate BMC magnet (b) to correct insufficient V. static convergence.

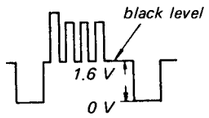
In either case, repeat Beam Landing Adjustment.



3-1-3. SUB BRT *(RV709)*

1. *Feed in color-bar signal from color-bar/pattern generator.*
2. *Turn BRIGHTNEES, PICTURE and COLOR controls to minimum.*
3. *Connect an oscilloscope to the pin (6) of C-4 connector.*
4. *Adjust RV709 so that the black level is 1.6 V.*





KV-1882EC
RM-635

follows:

ator

control

screw

Fig. 3-1.

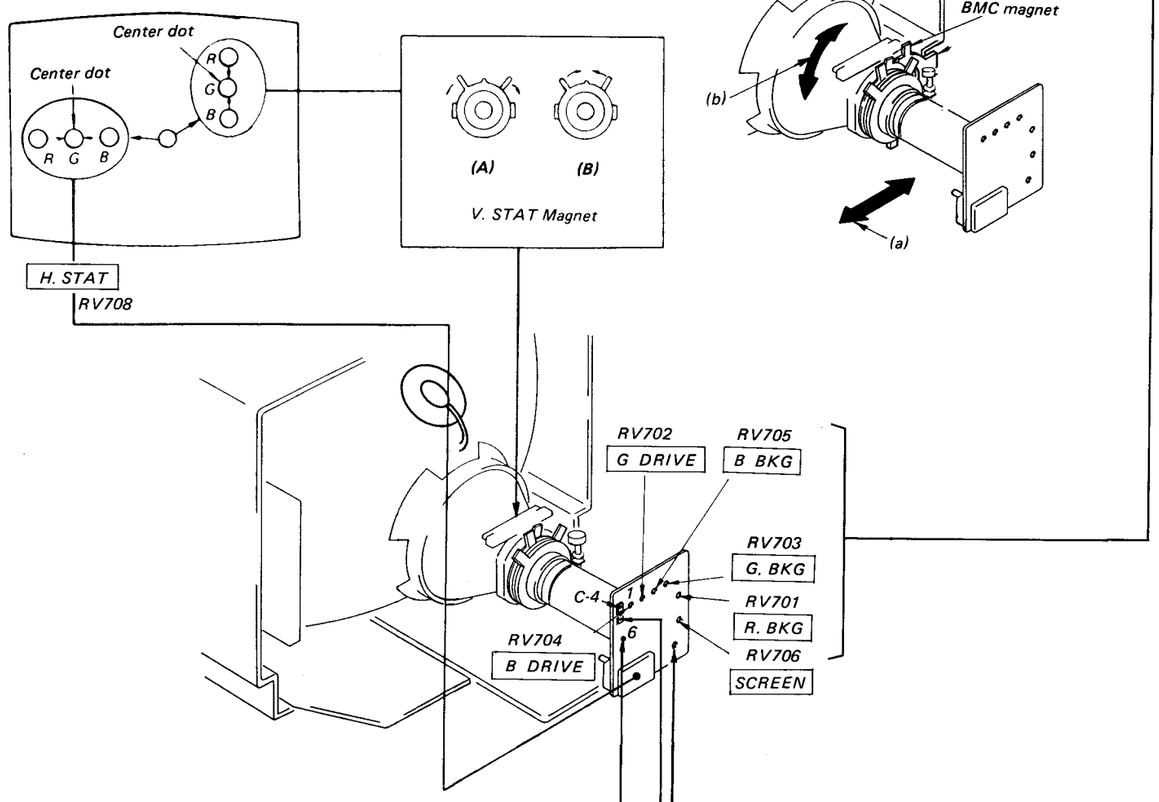
k magnets
rotatable
k magnets
rect these
as (a–d).

3-1-2. CONVERGENCE

Preparation:

- Before starting, perform FOCUS, H. SIZE, V. SIZE and V. LIN adjustments.
- Set BRIGHTNESS control to fully counterclockwise.
- Feed in the dot pattern.

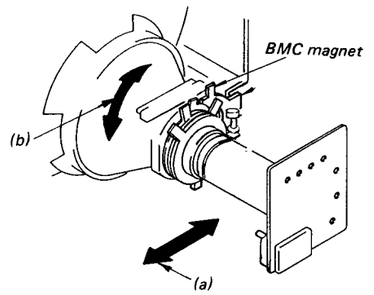
(1) Horizontal and Vertical Static Convergence



If blue dot does not coincide with red and green dots, perform following steps.

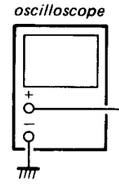
Move BMC magnet (a) to correct insufficient H. static convergence.
Rotate BMC magnet (b) to correct insufficient V. static convergence.

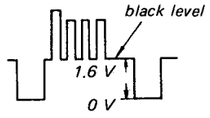
In either case, repeat Beam Landing Adjustment.



3-1-3. SUB BRT *(RV709)*

1. *Feed in color-bar signal from color-bar/pattern generator.*
2. *Turn BRIGHTNEES, PICTURE and COLOR controls to minimum.*
3. *Connect an oscilloscope to the pin (6) of C-4 connector.*
4. *Adjust RV709 so that the black level is 1.6 V.*





3-1-4. WHITE BALANCE

Feed in the cross-hatch pattern.

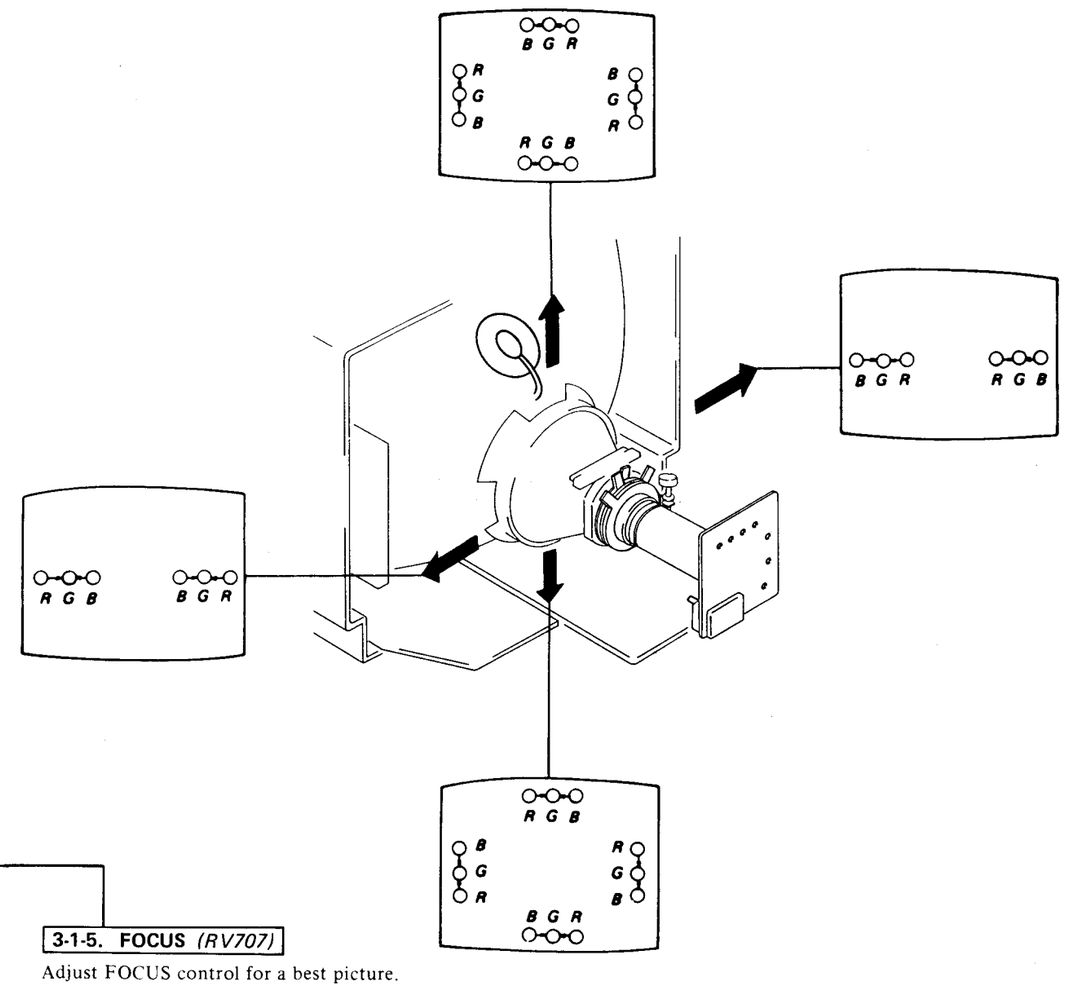
1. Turn BRIGHTNESS, PICTURE and COLOR controls to minium.
2. Turn RV704 (B. DRIVE) and RV705 (G. DRIVE) mechanical centre.
3. Set RV703 (R. BKG), RV702 (G. BKG), and RV701 (B. BKG) to fully counterclockwise.
4. Turn RV706 (SCRN) slowly to obtain a faintly visible cross-hatch. Note the color that first becomes visible by turning RV706. Do not turn a BKG control for this colour.
5. Adjust the other two BKG controls for best white balance (neutral gray) of the faint cross-hatch.
6. Turn BRIGHTNESS and PICTURE controls to maximum. Observe the screen and adjust the DRIVE controls for best white balance.
7. Repeat Steps 1 through 6 several times.

(2) Dynamic Convergence Adjustment

Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

1. Loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.



3-1-5. FOCUS *(RV707)*

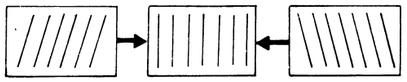
Adjust FOCUS control for a best picture.

KV-1882EC
RM-635

3-2-2. A BOARD ADJUSTMENT

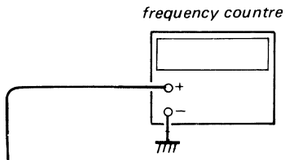
V. ANGLE

Adjust RV508 to make vertical lines straight as shown.



H. FREQ

1. *Connect an electrolytic capacitor (10 µF/25 V) as shown during this adjustment.*
2. *Adjust RV501 for 15.625 kHz ± 50 Hz on the frequency counter.*



H. SIZE

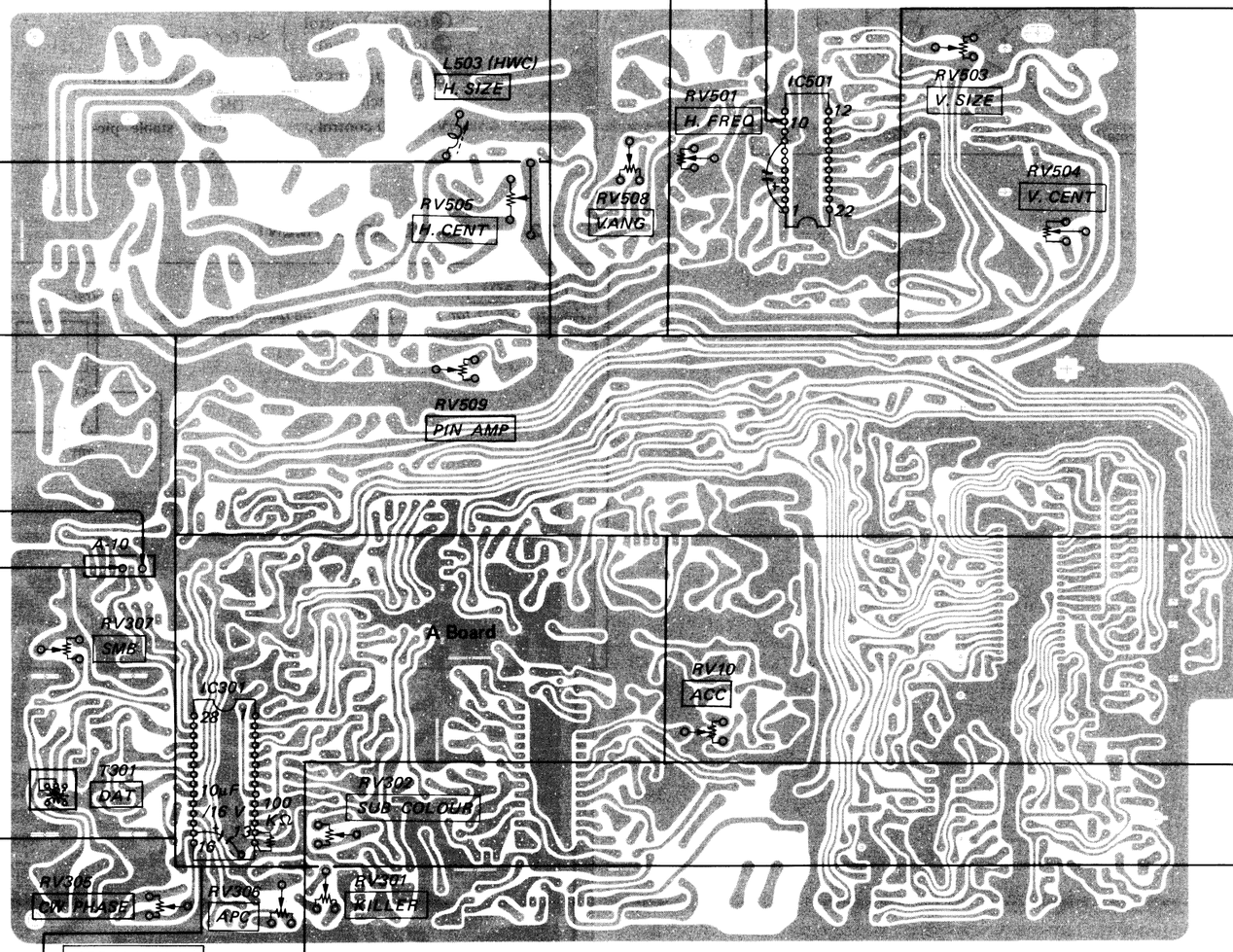
Adjust L503 for best picture.

V. SIZE V. CENT

Adjust RV503 and RV504 for a best vertical size picture.

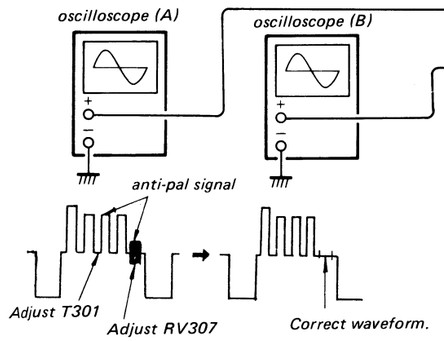
H. CENT

Adjust RV505 for a best Horizontal size picture.



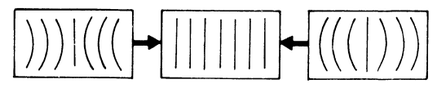
IH DELAY

1. *Feed in a color-bar signal.*
2. *Connect an oscilloscope (A) to the pinn B of A-10 connector.*
3. *Adjust T301 and RV307 to obtain the waveform as shown.*



PIN AMP

Adjust RV509 to make vertical lines straight as shown.

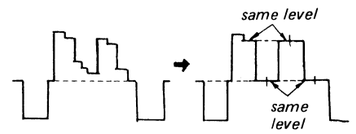


ACC

1. *Tune in an off-air signal.*
2. *Adjust RV101 so that snow-noise and crossmodulation just disappear from the picture.*

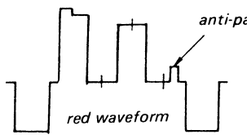
SUB COLOR

1. *Feed in a color bar signal from colour-bar/pattern generator.*
2. *Connect an oscilloscope (B) to the pin R of A-10 connector.*
3. *Adjust RV302 for a best waveform of the red output as shown.*



CW PHASE

1. *Feed in a color-bar signal.*
2. *Connect an oscilloscope (B) to the pin R of A-10 connector.*
3. *Adjust RV305 so that the anti-pal signal of the red output is disappeared.*



APC (4.43 MHz)

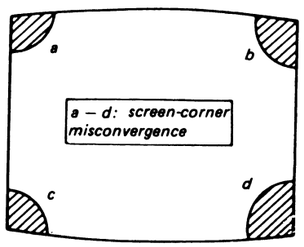
1. *Feed in a color signal from color-bar/pattern generator.*
2. *Connect a 100 kΩ resistor between pin (13) of IC301 and ground.*
3. *Connect a 10 µF/16 V capacitor between pin (16) of IC301 and ground.*
4. *Adjust RV306 for the stable color pattern.*

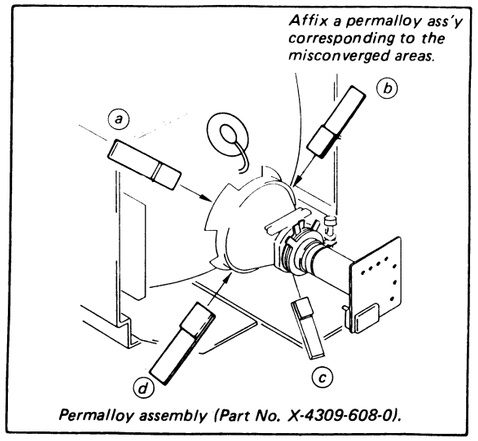
KILLER

1. *Feed in a monochrome signal.*
2. *Connect a 1µF/50 V capacitor between pin (16) of IC301 and ground.*
3. *Adjust RV301 so that the voltage of A-10 connector pin B is 7.7 ± 0.1 V.*

KV-1882EC
RM-635

(3) Screen-corner Convergence





Permalloy assembly (Part No. X-4309-608-0).

3-2. CIRCUIT ADJUSTMENTS

NOTE (1) TEST EQUIPMENT REQUIRED

1. Oscilloscope
2. Digital Multimeter
3. Color-bar/pattern generator
4. Frequency Counter

(2) INPUT SIGNAL

When making these adjustments, supply a cross-hatch, a color-bar, or an off-air signal.

(3) CONTROL SETTINGS

Controls and switch should be set as follows when making checks and adjustments unless otherwise noted.

(picture) control
(color) control
} Set for best picture.

BRIGHTNESS control... mechanical center
AFT switch ..... ON
V. HOLD control ..... Set for stable picture.

(4) These adjustment, should be performed with rated power supply voltage, unless otherwise noted.

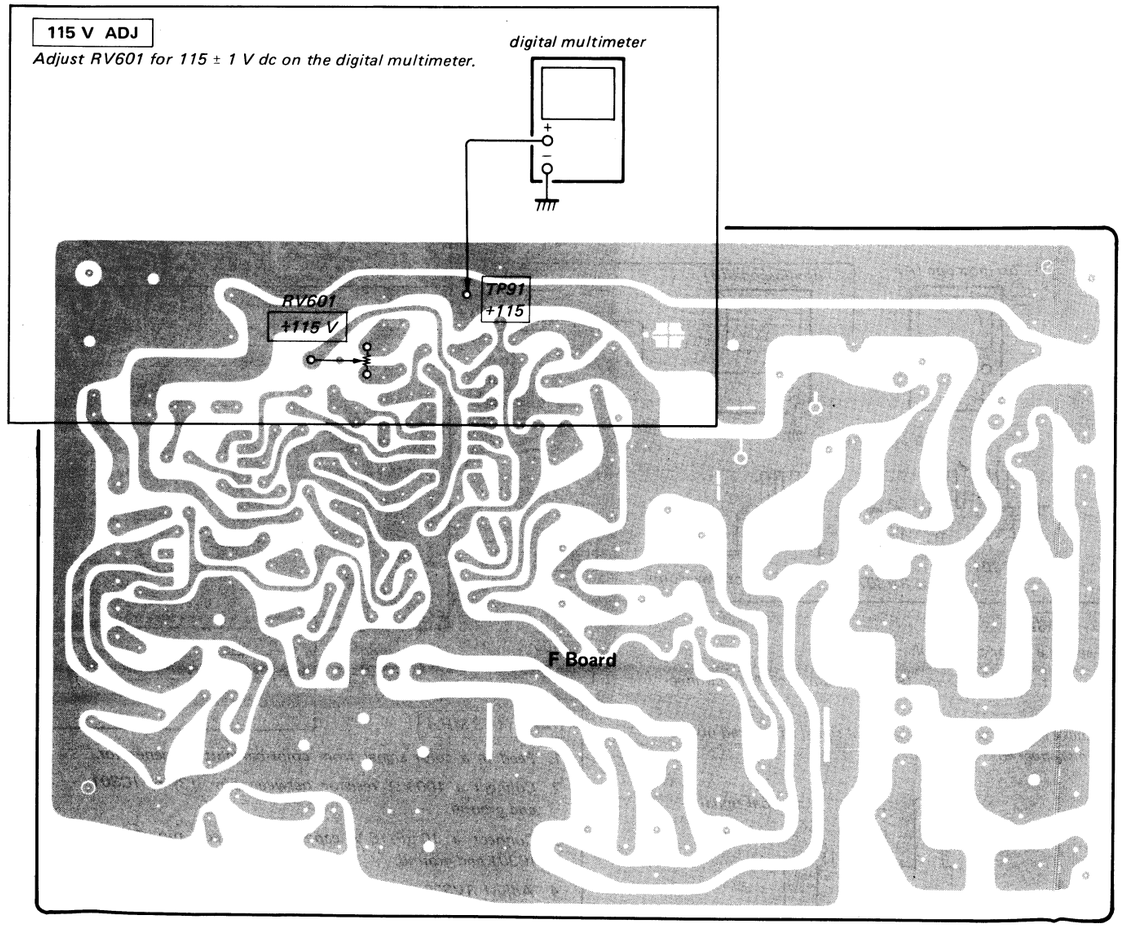
(5) CIRCUIT ADJUSTMENTS

Adjustments	Circuit Board	Page
115 V ADJ	F	16
V. ANGLE H. FREQ V. SIZE V. CENT PIN AMP ACC SUB COLOR KILLER APC (4.43 MHz) CW PHASE IH DELAY H. CENT H. SIZE	A	17, 18

3-2-1. F BOARD ADJUSTMENT

115 V ADJ

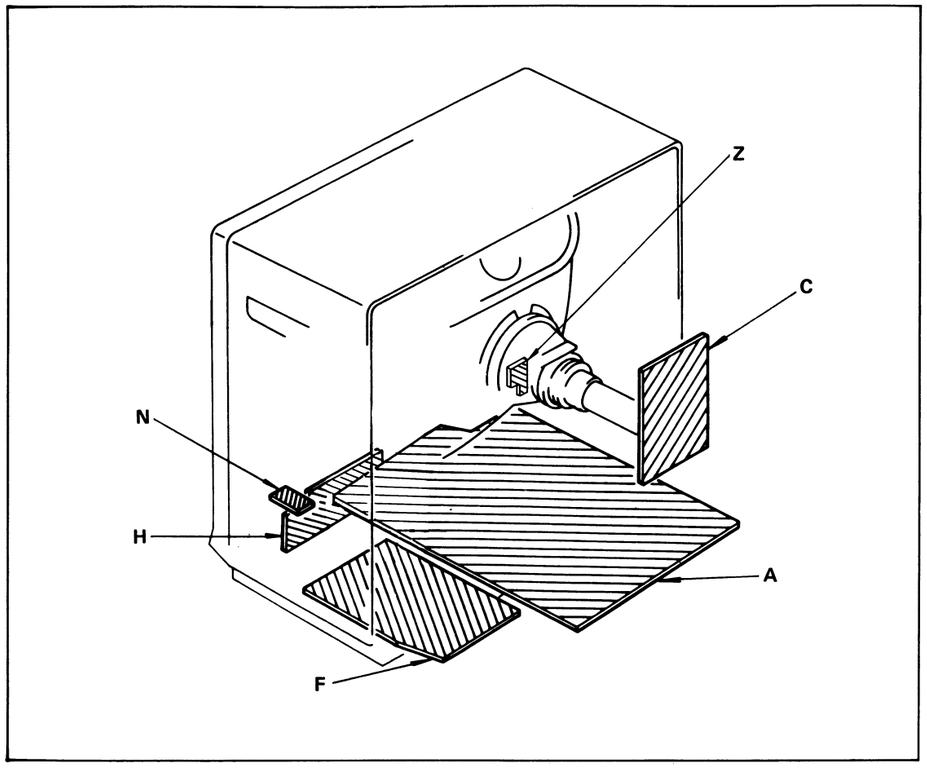
Adjust RV601 for 115 ± 1 V dc on the digital multimeter.



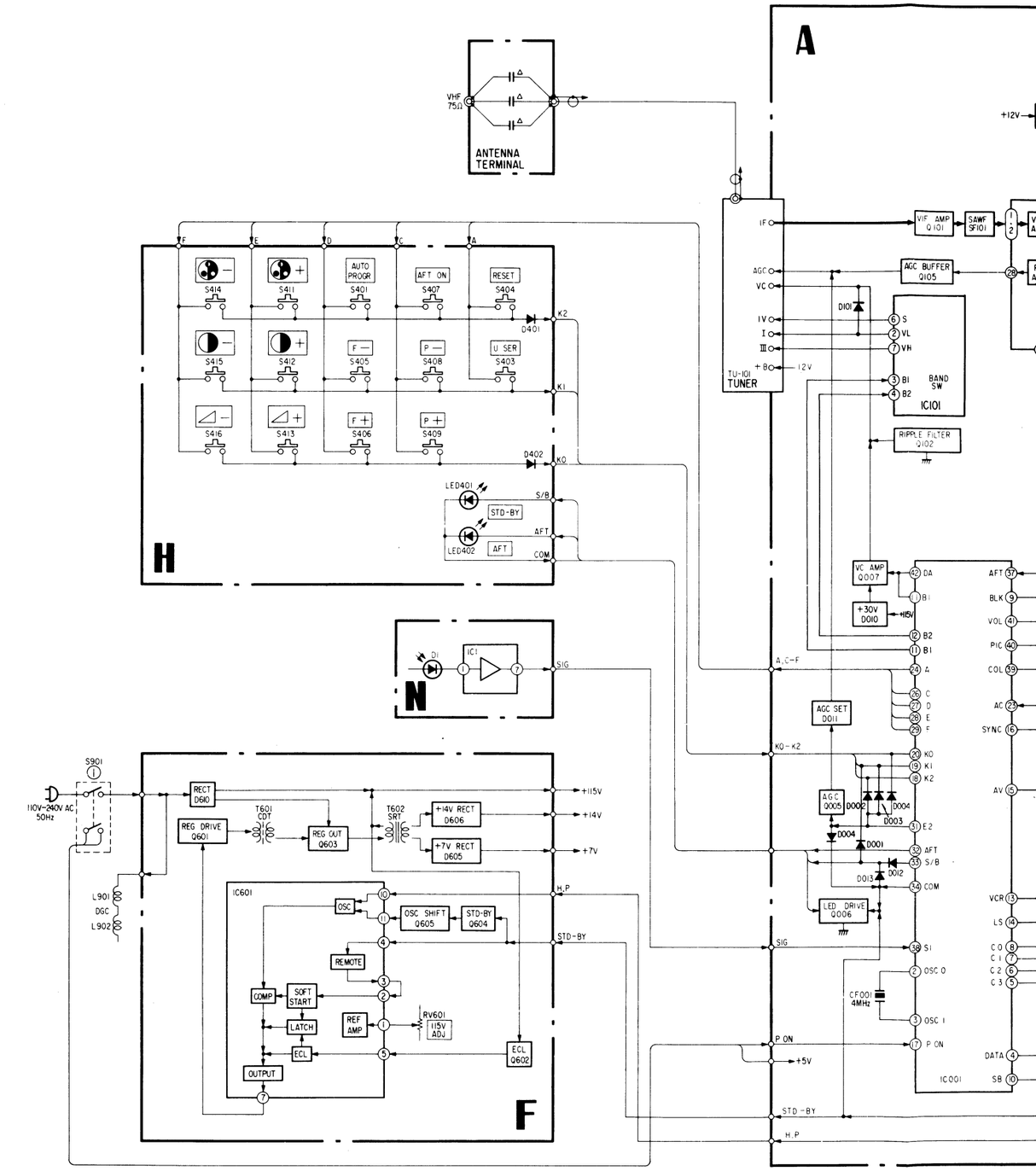
KV-1882EC
RM-635

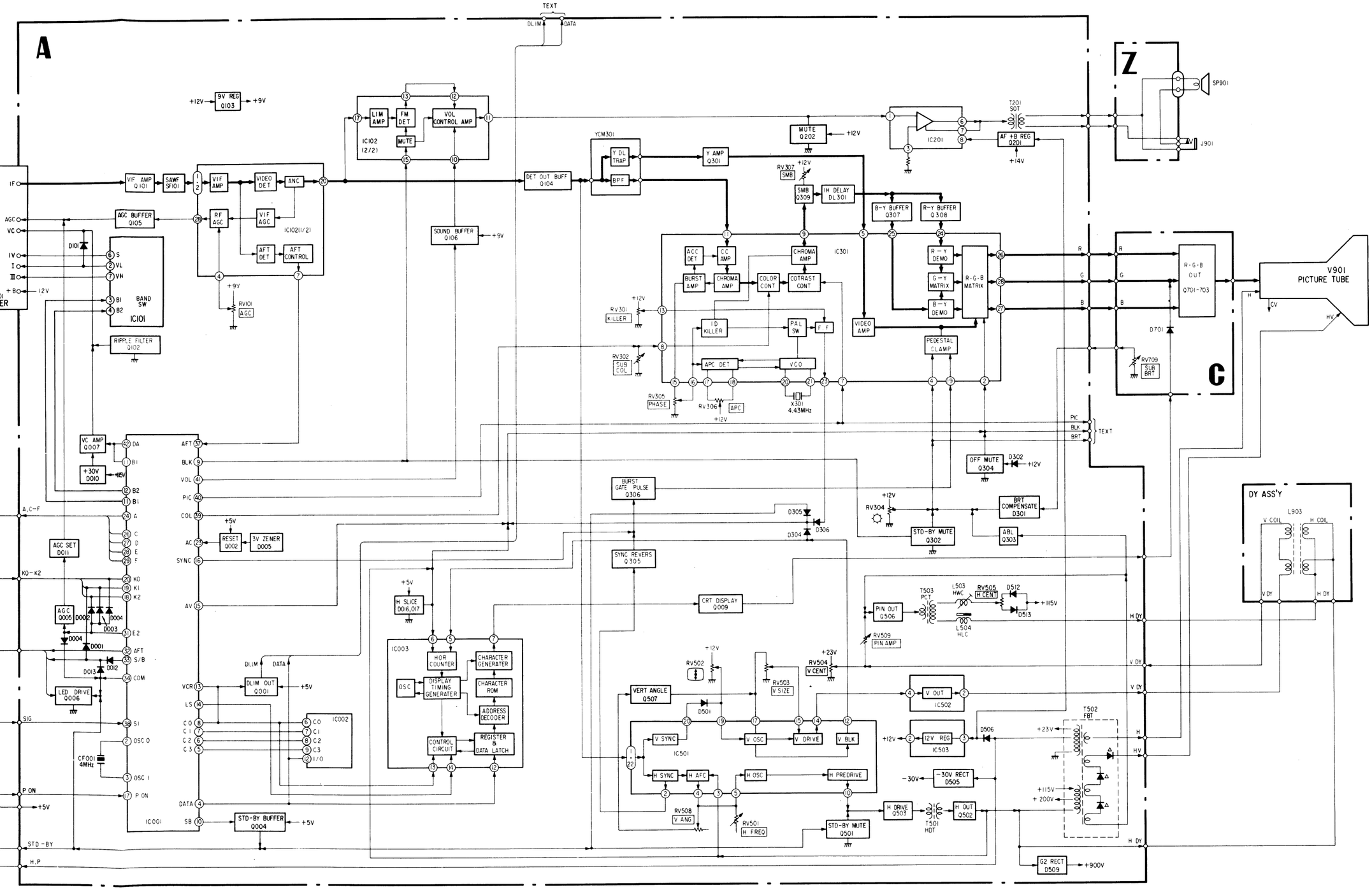
SECTION 4
DIAGRAMS

4-1. CIRCUIT BOARDS LOCATION



4-2. BLOCK DIAGRAM



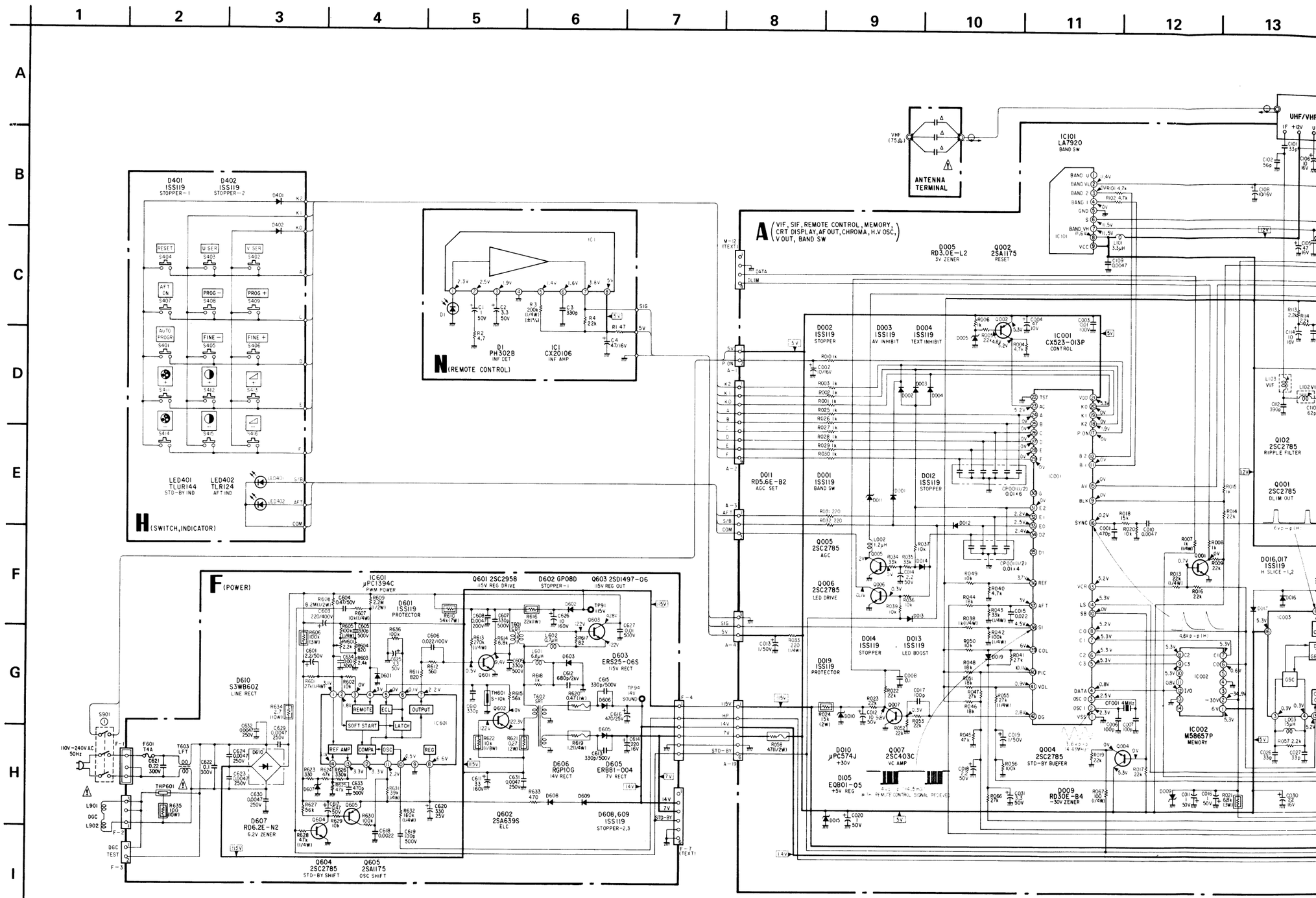

A
Z
C
TEXT
DLIM
DATA
9V REG Q103
+12V
+9V
LIM AMP
FM DET
VOL CONTROL AMP
MUTE
IC102 (2/2)
VIF AMP Q101
SAWF SFI01
VIF AMP
VIDEO DET
ANC
RF AGC
VIF AGC
AFT DET
AFT CONTROL
IC102(1/2)
AGC BUFFER Q105
SOUND BUFFER Q106
DET OUT BUFF Q104
YCM301
Y DL TRAP
BPF
Y AMP Q301
MUTE Q202
IC201
T201 SOT
AF +B REG Q201
+14V
SP901
J901
RV307 SMB
SMB Q309
1H DELAY DL301
B-Y BUFFER Q307
R-Y BUFFER Q308
IC301
ACC DET
CC AMP
BURST AMP
CHROMA AMP
COLOR CONT
CONTRAST CONT
R-Y DEMO
G-Y MATRIX
B-Y DEMO
R-G-B MATRIX
VIDEO AMP
PEDESTAL CLAMP
R-G-B OUT Q701-703
V901 PICTURE TUBE
D701
RV709 SUB BRT
RV301 KILLER
ID KILLER
PAL SW
F.F
RV302 SUB COL
APC DET
VCO
X301 4.43MHz
RV305 PHASE
RV306 APC
DIO1
IC101
BAND SW
RIPPLE FILTER Q102
VC AMP Q007
+30V D010
+115V
AGC SET D011
AGC Q005
D002
D003
D004
D001
D012
D013
LED DRIVE Q006
CF001 4MHz
P.ON
STD-BY
H.P
IC001
AFT
BLK
VOL
PIC
COL
AC
SYNC
AV
VCR
LS
C0
C1
C2
C3
DATA
SB
RESET Q002
3V ZENER D005
DLIM OUT Q001
IC002
STD-BY BUFFER Q004
BURST GATE PULSE Q306
SYNC REVERS Q305
D305
D306
D304
STD-BY MUTE Q302
OFF MUTE Q304
D302
BRT COMPENSATE D301
ABL Q303
RV304
H SLICE D016,017
IC003
HOR COUNTER
CHARACTER GENERATER
OSC
DISPLAY TIMING GENERATER
CHARACTER ROM
ADDRESS DECODER
CONTROL CIRCUIT
REGISTER & DATA LATCH
CRT DISPLAY Q009
PIN OUT Q506
T503 PCT
L503 HWC
L504 HLC
RV505 H CENT
D512
D513
+115V
RV509 PIN AMP
VERT ANGLE Q507
RV502
RV503 V SIZE
RV504 V CENT
+23V
D501
V SYNC
V OSC
V DRIVE
V BLK
IC501
H SYNC
H AFC
H OSC
H PREDRIVE
RV508 V ANG
RV501 H FREQ
STD-BY MUTE Q501
H DRIVE Q503
T501 HDT
H OUT Q502
V OUT
IC502
12V REG
IC503
D506
-30V RECT D505
T502 FBT
+200V
G2 RECT D509
+900V
DY ASS'Y
L903
V COIL
H COIL
V DY
H DY
PIC
BLK
BRT
H
HV
CV

4-3. SCHEMATIC DIAGRAM

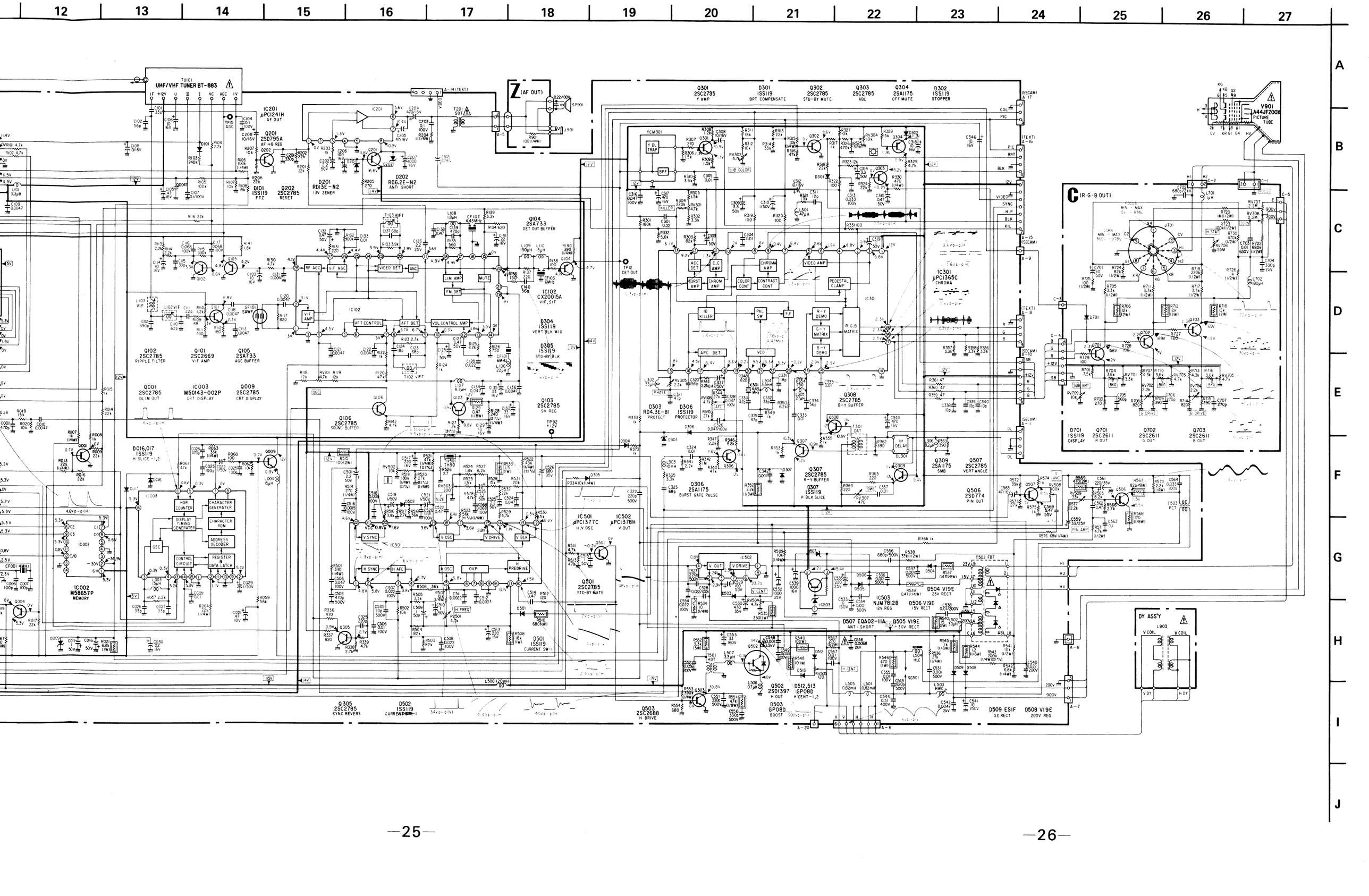
Note:

- All capacitors are in μF unless otherwise noted. p: μμF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted. k: 1000Ω, M : 1000kΩ
- : nonflammable resistor.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : fusible resistor.
- △ : internal component.
- : panel designation.
- Voltages are dc with respect to graound unless otherwise noted.
- Readings are taken with a 10 MΩ digital multimeter.
- Voltage variations may be noted due to normal production tolerances.
- Readings are taken with a color-bar signal input.
- : adjustment for repair.
- : B+ bus.
- : B− bus.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.



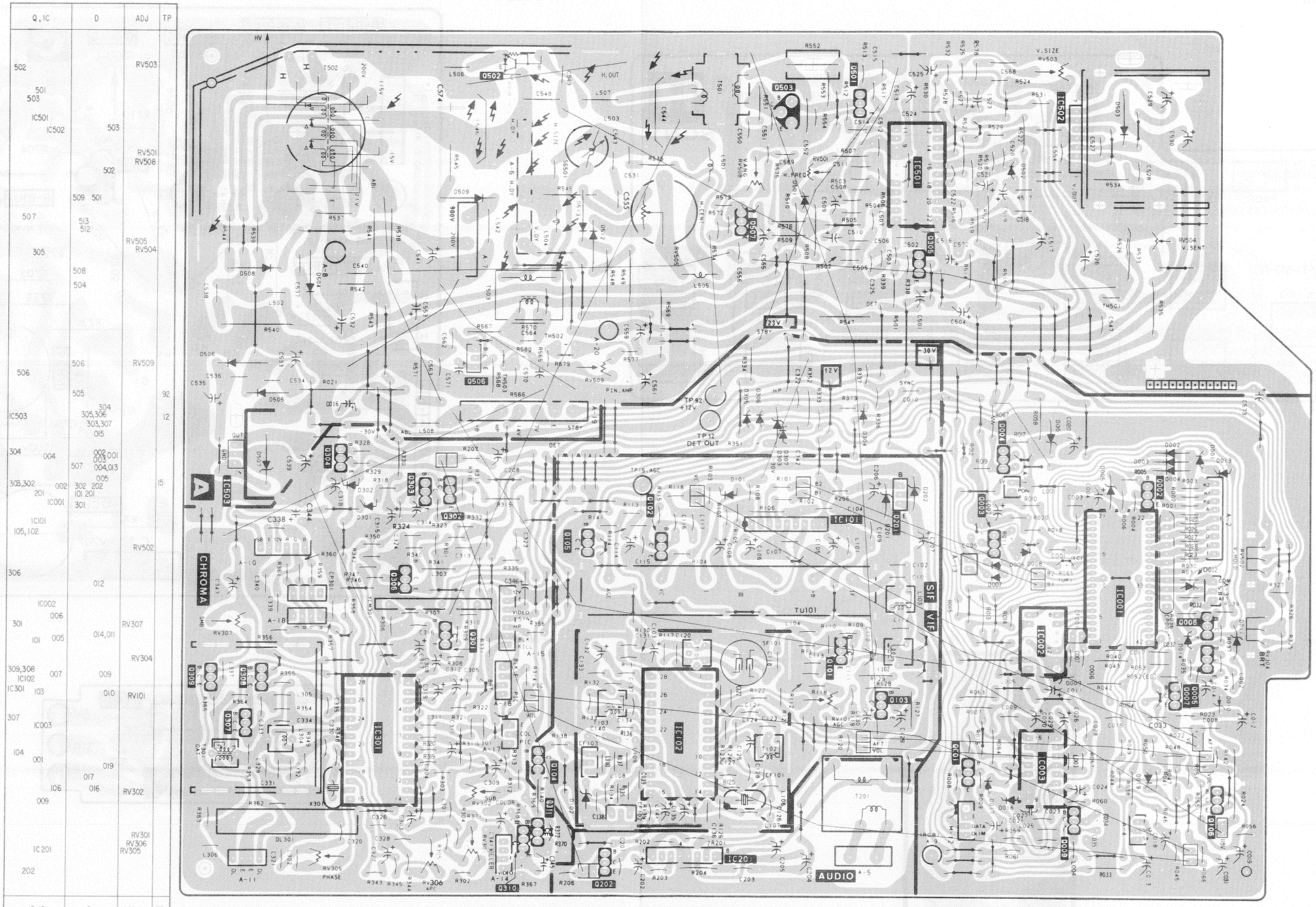
KV-1882EC
RM-635



4-4. PRINTED WIRING BOARD — *Conductor Side* —

A A [VIF, SIF, REMOTE CONTROL, MEMORY, CRT DISPLAY, AF OUT, CHROMA, H.V OSC, V OUT, BAND SW]

— A Board —



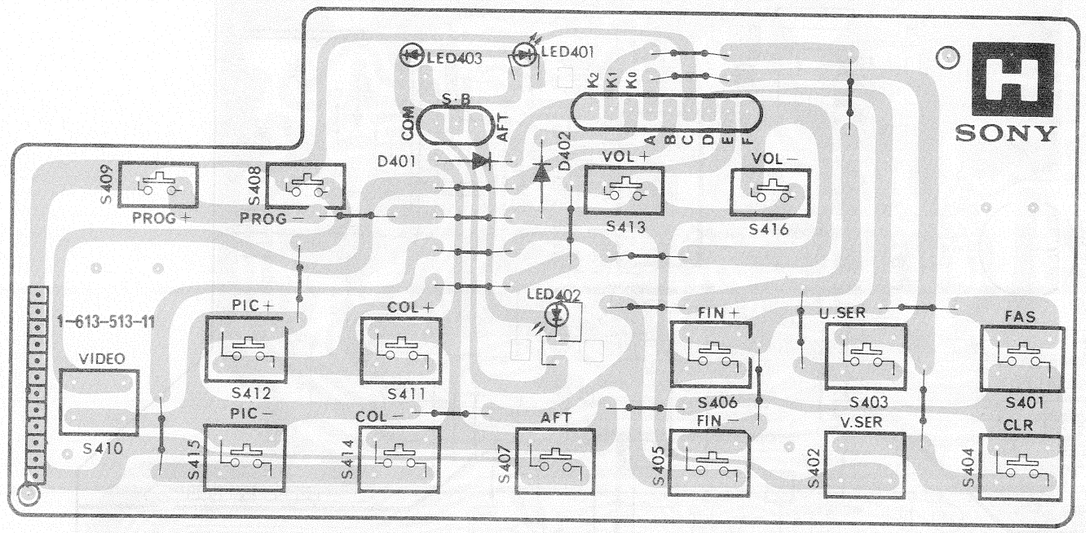
Q, IC	D	ADJ	TP
502		RV503	
501 503 IC501 IC502	503	RV501 RV508	
	502		
	509 501		
507	513 512		
305		RV505 RV504	
	508		
	504		
506		RV509	
	506		
	505		92
IC503	304 305,306 303,307		12
304	004	006,001 003	
303,302	507 004,013		
201 IC1001	005 302 202 101 201		15
IC101	301		
105,102		RV502	
306			
	012		
IC002			
301	006	RV307	
101	005 014,011		
		RV304	
309,308 IC102	007 009		
IC301	103 010	RV101	
307	IC003		
104	001 019		
	017		
106	016	RV302	
009			
		RV301 RV306 RV305	
IC 201			
202			
Q, IC	D	ADJ	TP

H [SWITCH, INDICATOR] Z [AF OUT] C [R.G.B OUT] N [REMOTE CONTROL]

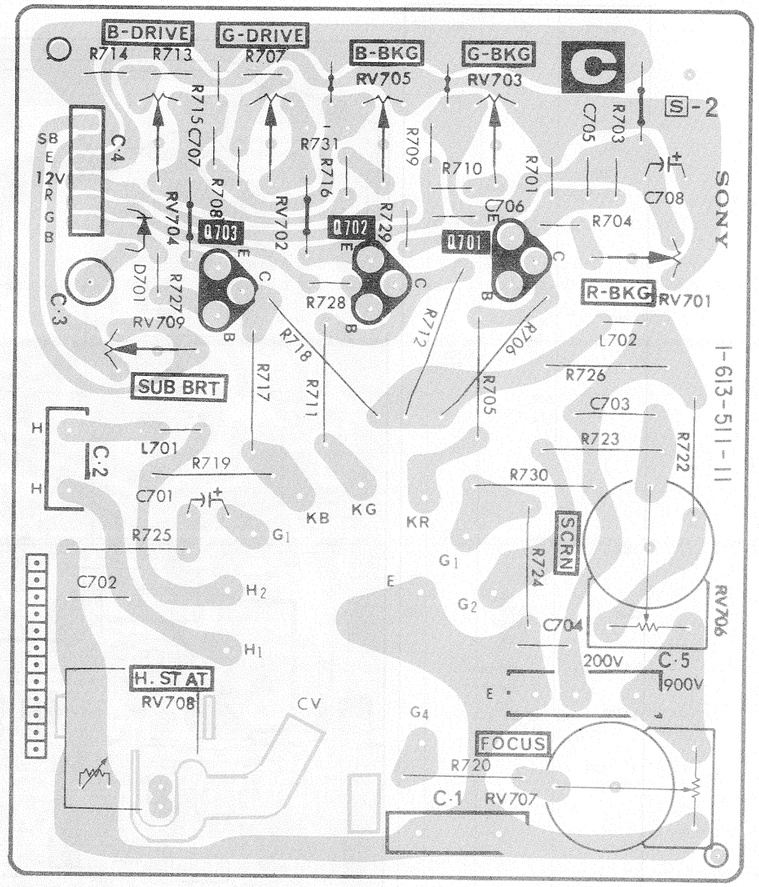
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A B C D E F G H I J

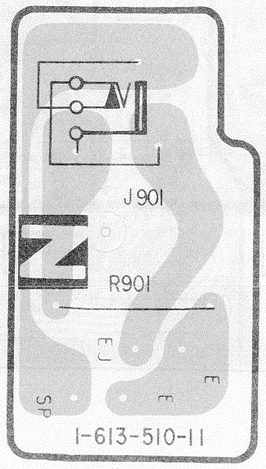
– H Board –



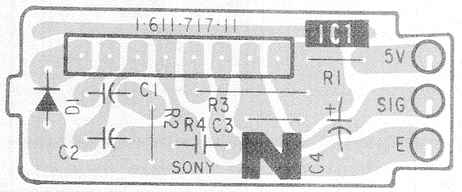
– C Board –



– Z Board –

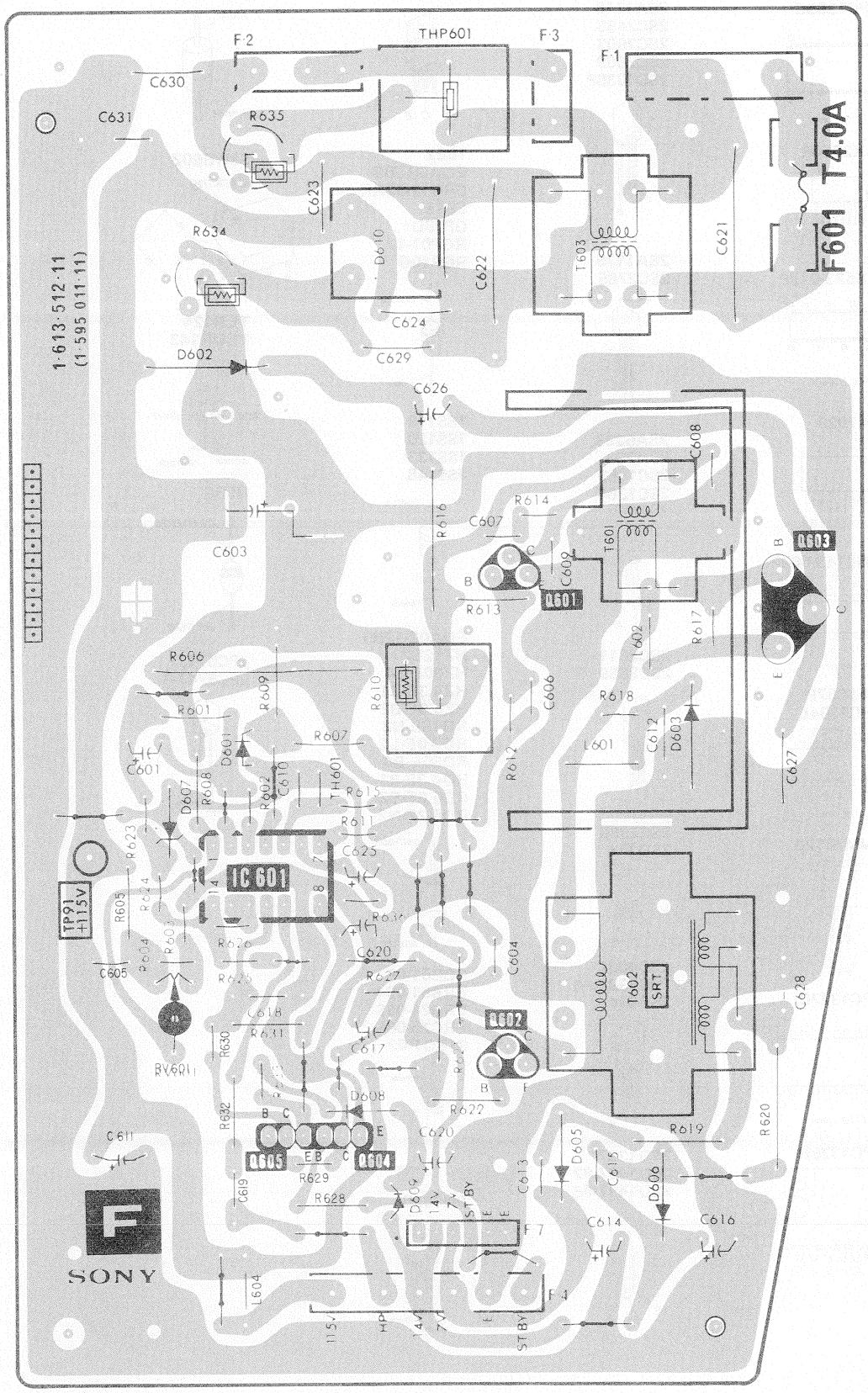


– N Board –



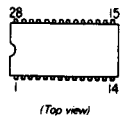
[POWER] F

— F Board —

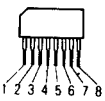


4-5. SEMICONDUCTORS

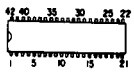
CX20015A
μPC1365C



CX20106

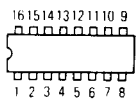


CX523-013P

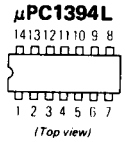


LA7920

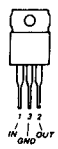
M50143-002P



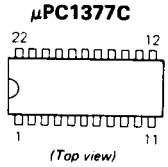
M58657P
μPC1394L



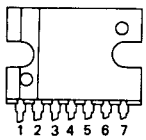
NJM7812B



μPC1377C

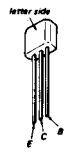


μPC1378H



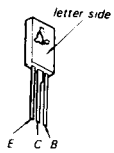
2SA1048-GR
2SA1115
2SC2458
2SC2603
2SC2669
2SC403SP

2SA1175
2SC2785

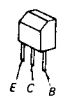


2SA639S
2SA733
2SC1363
2SC1364
2SC945

2SC2611
2SC2688

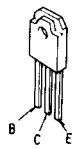


2SC2958
2SD774

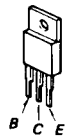


2SC403C
2SC633-SP6
2SC634

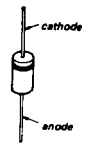
2SD1397
2SD1497-02
2SD1497-06



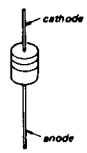
2SD795A



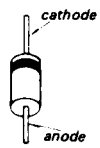
10E2
EQA02-30B
ERB12-02RK
ES1F
GP08D
RGP01-17
RGP10G



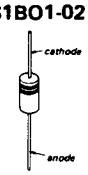
1SS119
1SS120
1SS133
1SS148



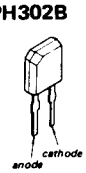
EQA02-12B5
HZ12B2
HZ30E-B4
HZ4.3E-B1
HZ5.6E-B2
RD13E-N2
RD3.0E-L2
RD30E-B4
RD4.3E-B1
RD5.6E-B2
RD6.2E-N2



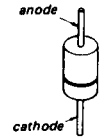
EQB01-05
ERB81-004
ERC24-06S
ERC25-06S
S1BO1-02



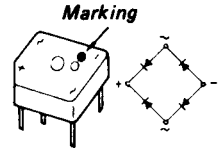
PH302B



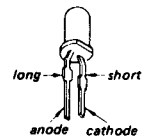
RGP15J



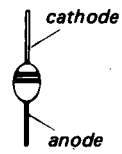
S3WB60Z
Marking



TLR124
TLUR143



U05G



μPC574J
μPC574J-G

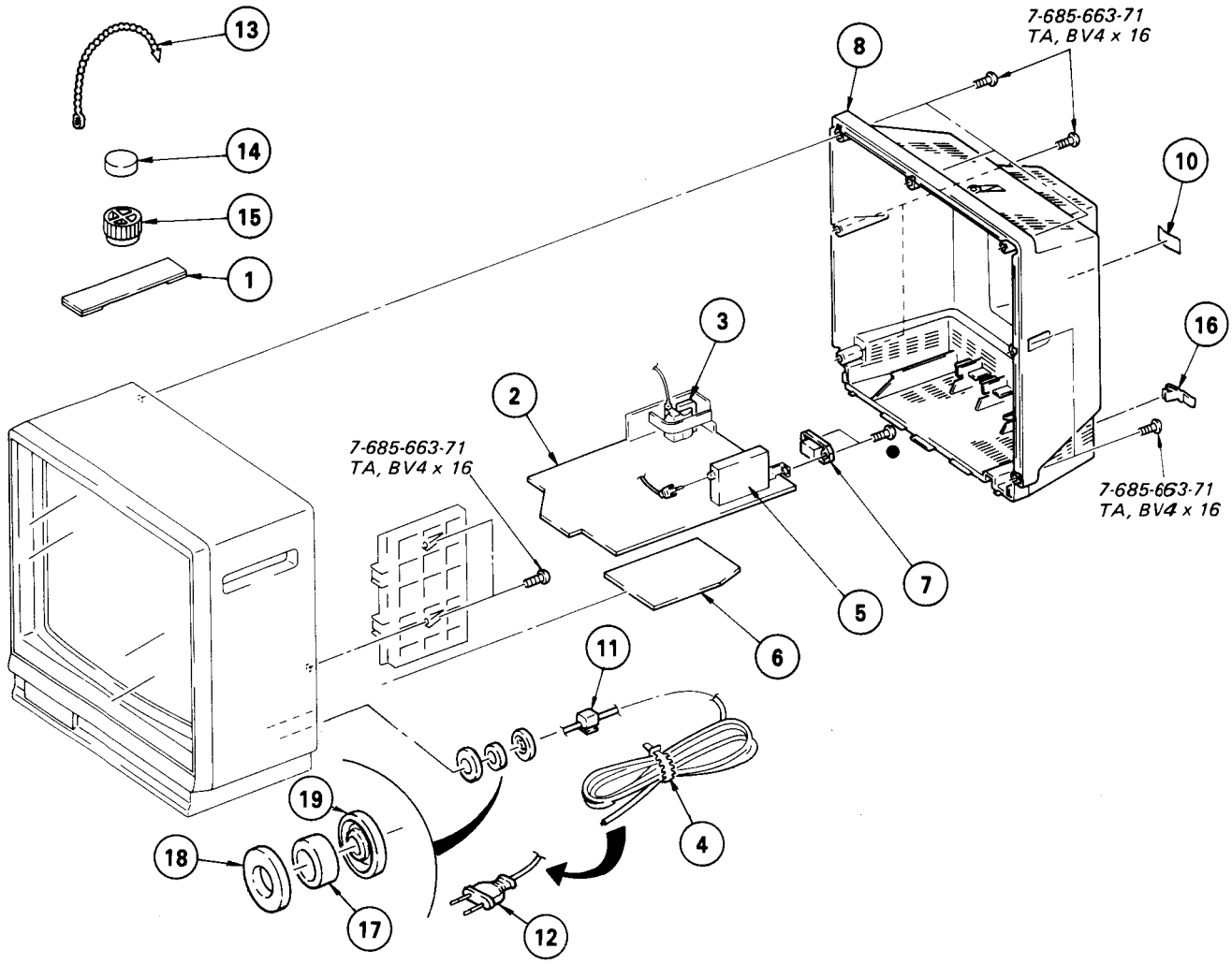
SECTION 5
EXPLODED VIEWS

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

5-1. BACK COVER

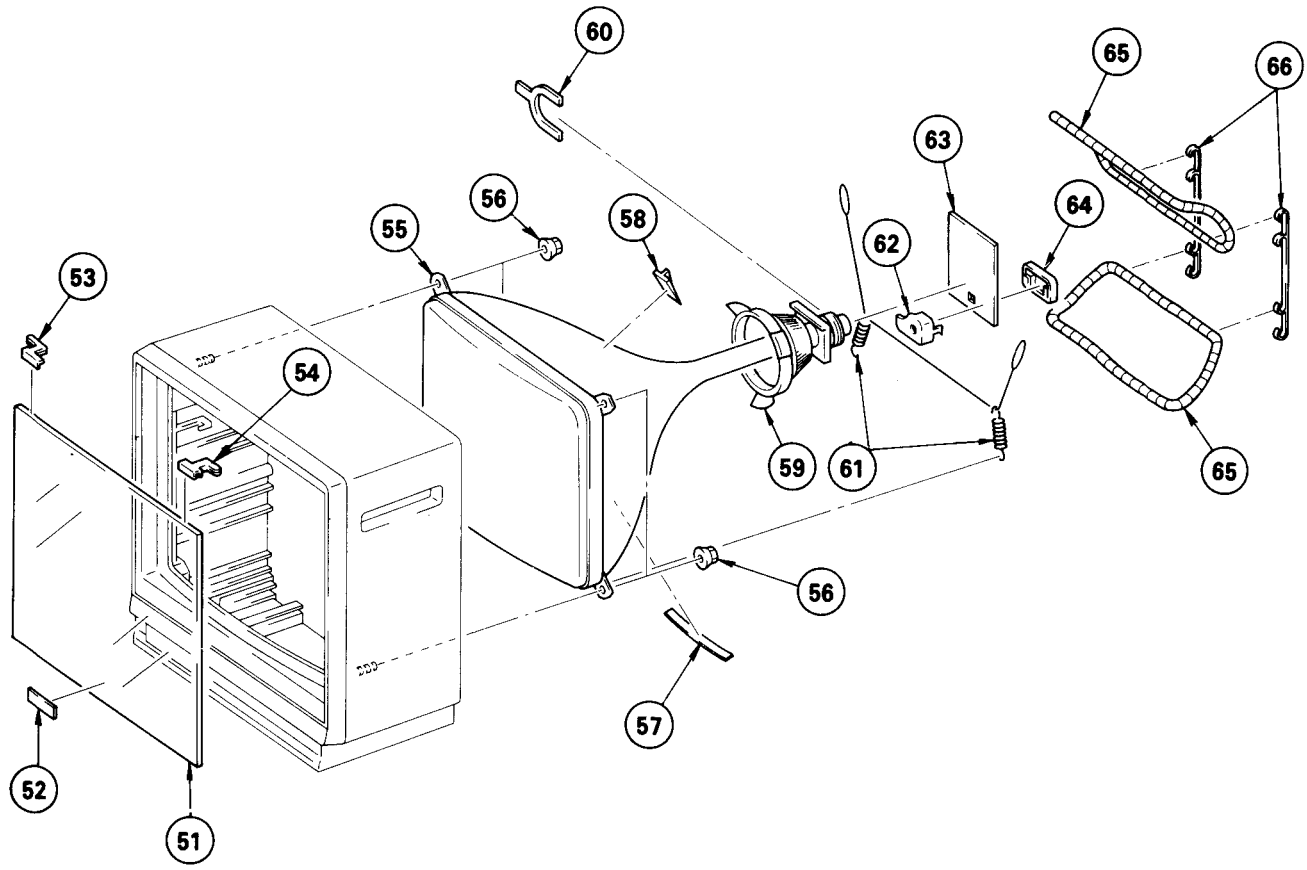
●: TA, BV3 x 12 7-685-648-71



No.	Part No.	Description	Remark
1	*X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
2	*A-1295-942-A	A BOARD, COMPLETE	
3	⚠ 1-439-333-11	TRANSFORMER ASSY, FLYBACK	
4	3-701-007-00	BAND, BINDING	
5	⚠ 1-463-421-21	TUNER (BT-883)	
6	* A-1245-248-A	F BOARD, COMPLETE	
7	⚠ 1-556-983-31	CONNECTOR, COAXIAL ANTENNA	
8	X-4371-519-1	COVER ASSY, BACK	16
10	* 4-371-567-01	LABEL, MODEL NUMBER	

No.	Part No.	Description	Remark
11	⚠ 4-022-115-01	HOLDER, AC CORD	
12	⚠ 1-551-908-31	CORD, POWER EULO PLUG	
13	4-308-870-00	CLIP, LEAD WIRE	
14	1-452-032-00	MAGNET, DISK; 10MM ϕ	
15	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
16	4-329-127-00	CLAMP, CORD	
17	1-543-179-00	CORE, RING	
18	*4-361-124-01	COVER (A), CORE	
19	*4-361-125-01	COVER (B), CORE	

5-2. PICTURE TUBE



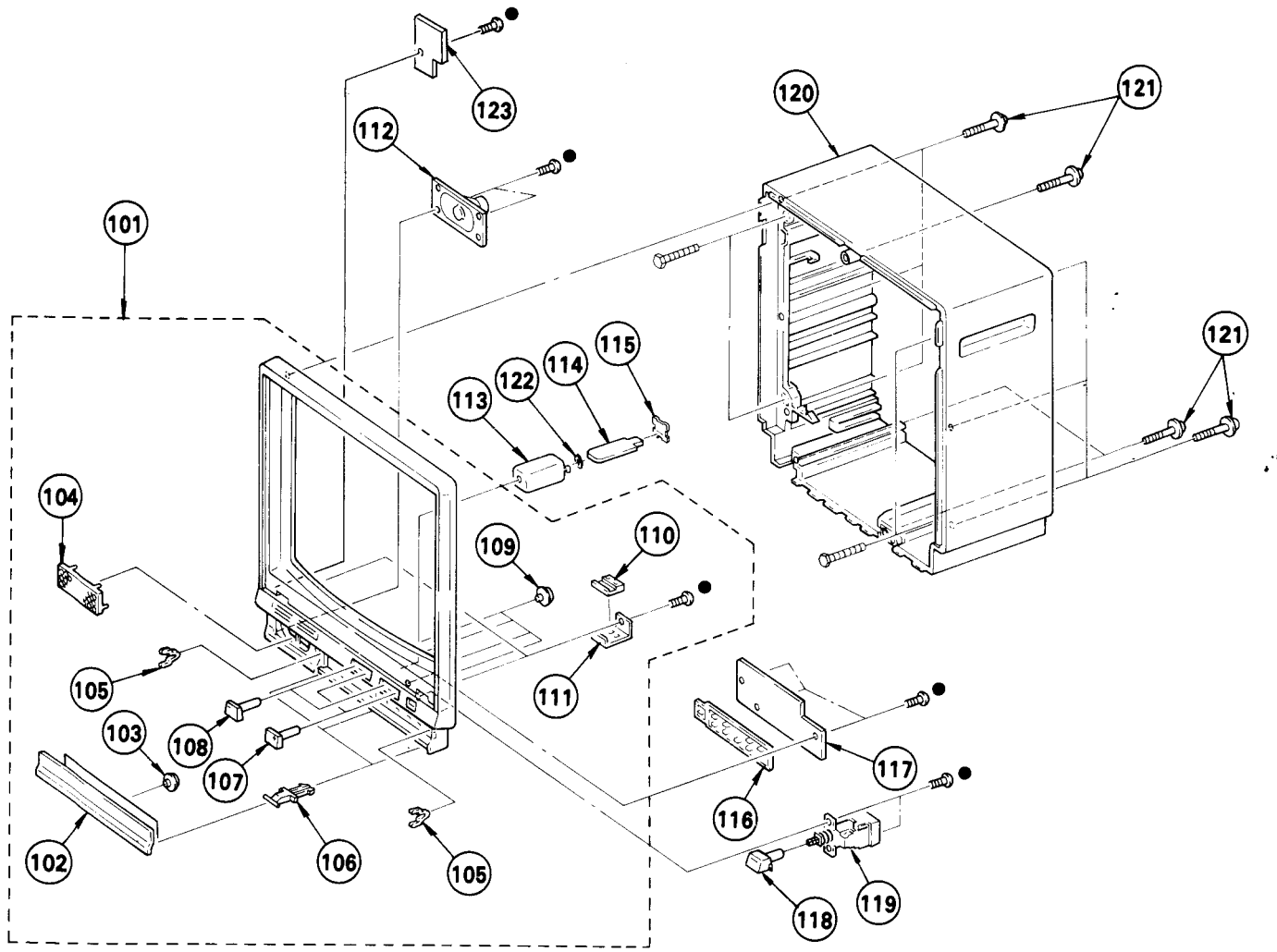
No.	Part No.	Description	Remark
51	4-369-314-01	GLASS, FILTER	
52	X-3701-081-0	EMBLEM (MIDDLE) ASSY, SONY	
53	4-369-420-00	STOPPER (LEFT), FILTER	
54	4-369-419-00	STOPPER (RIGHT), FILTER	
55	⚠ 8-736-153-05	CRT (A44JFZ00X)	
56	4-306-034-00	FLANGE NUT, (B) 5MM	
57	4-369-324-01	CLOTH	
58	3-703-003-00	SPACER, DY	

No.	Part No.	Description	Remark
59	⚠ 1-452-247-31	DEFRECTION YOKE (SY-139)	
60	1-452-277-00	MAGNET, BMC	
61	4-369-318-00	SPRING, TENSION	
62	*4-365-803-00	COVER (MAIN), CV CONTROL	
63	*A-1330-573-A	C BOARD, COMPLETE	
64	*4-365-804-00	COVER (REAR LID), CV CONTROL	
65	⚠ 1-426-179-11	COIL, DEGAUSSING	
66	*4-371-521-01	BAND (L), DEGAUSS COIL	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

5-3. BEZEL ASSY

●: TA, BV3 x 12 7-685-648-71



No.	Part No.	Description	Remark
101	X-4371-522-1	BEZEL ASSY (SILVER) 102,103,104,105,106	
	X-4371-522-2	BEZEL ASSY (WAL NUT & GRAY) 107,108,109,110,111	
102	X-4371-521-1	DOOR ASSY, CONTROL	
103	*4-371-504-01	TUBE, OPTICAL	
104	*4-371-503-21	PLATE, ORNAMENTAL, SPEAKER	
105	3-703-574-00	RETAINER, DOOR	
106	3-662-365-00	SHAFT (S), DOOR	
107	4-354-587-21	PUSH BUTTON (+)	
108	4-354-588-21	PUSH BUTTON (-)	
109	4-365-220-00	STOPPER, BUTTON	
110	4-336-808-00	PROTECTOR, FILTER	
111	4-336-806-00	HOLDER (RIGHT), FILTER	
112	1-503-239-00	SPEAKER	

No.	Part No.	Description	Remark
113	*4-342-117-00	CASE, SHIELD (MAIN), R	
114	*1-611-717-11	N BOARD	
115	*4-342-118-00	LID, SHIELD CASE, R	
116	*4-371-553-11	BUTTON, MULTI	
117	*1-613-513-11	H BOARD	
118	4-371-502-11	BUTTON, POWER	
119	⚠*1-553-225-12	SWITCH, PUSH	
120	4-369-312-03	CABINET (SILVER)	
	4-369-312-51	CABINET (WAL NUT)	
	4-369-312-61	CABINET (GRAY)	
121	4-319-520-00	SCREW, SPECIAL (+PW4X30)	
122	*:4-333-624-00	FILM (N), SPECIAL	
123	* 1-613-510-11	Z BOARD	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

F

SECTION 6
ELECTRICAL PARTS LIST

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μF, PF : μμF

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μH

Ref.No.	Part No.	Description				Remark
	*A-1245-248-A	F BOARD, COMPLETE **********				
	4-363-414-00	SPACER, MICA				
	*4-370-012-01	HOLDER, TRANSISTOR				
		CAPACITOR				
C601	1-123-381-00	ELECT	2.2MF	20%	50V	
C603	1-125-318-00	ELECT(BLOCK)	220MF	20%	400V	
C604	1-123-021-00	ELECT	0.47MF	30%	50V	
C605	1-102-030-00	CERAMIC	330PF	10%	500V	
C606	1-106-204-00	MYLAR	0.022MF	10%	100V	
C607	1-102-030-00	CERAMIC	330PF	10%	500V	
C608	1-106-359-00	MYLAR	0.0047MF	10%	200V	
C609	1-102-030-00	CERAMIC	330PF	10%	500V	
C610	1-102-820-00	CERAMIC	330PF	5%	50V	
C611	1-123-024-00	ELECT	33MF		160V	
C612	1-162-116-00	CERAMIC	680PF	10%	2KV	
C613	1-102-030-00	CERAMIC	330PF	10%	500V	
C614	1-123-321-00	ELECT	220MF		16V	
C615	1-102-030-00	CERAMIC	330PF	10%	500V	
C616	1-123-336-00	ELECT	470MF	20%	25V	
C617	1-123-379-00	ELECT	0.47MF	20%	50V	
C618	1-106-180-00	MYLAR	0.0022MF	5%	50V	
C619	1-101-810-00	CERAMIC	100PF	5%	500V	
C620	1-123-335-00	ELECT	330MF	20%	25V	
C621 ⚠	1-108-745-62	MYLAR	0.22MF	20%	300V	
C622 ⚠	1-108-747-62	MYLAR	0.1MF	20%	300V	
C623	1-161-964-00	CERAMIC	0.0047MF		250V	
C624	1-161-964-00	CERAMIC	0.0047MF		250V	
C625	1-123-382-00	ELECT	3.3MF	20%	50V	
C626	1-121-999-00	ELECT	10MF		160V	
C627	1-102-050-00	CERAMIC	0.01MF		500V	
C629	1-161-964-00	CERAMIC	0.0047MF		250V	
C630	1-161-964-00	CERAMIC	0.0047MF		250V	
C631	1-161-964-00	CERAMIC	4700PF		250V	
C632	1-161-964-00	CERAMIC	4700PF		250V	
C633	1-102-228-00	CERAMIC	470PF		500V	
C634	1-102-038-00	CERAMIC	0.001MF		500V	
		DIODE				
D601	8-719-911-19	DIODE 1SS119				
D602	8-719-911-55	DIODE U05G				
D603	8-719-925-06	DIODE ERC25-06S				
D605	8-719-982-04	DIODE ERB81-004				
D606	8-719-924-06	DIODE ERC24-06S				
D607	8-719-102-74	DIODE RD6.2E-N2				
D608	8-719-911-19	DIODE 1SS119				
D609	8-719-911-19	DIODE 1SS119				
D610	8-719-503-06	DIODE S3WB60Z				
D611	8-719-911-19	DIODE 1SS119				
		CONNECTOR				
F1	*1-506-349-21	3P PLUG (L)				
F2	*1-508-765-00	3P PLUG (M)				
F3	*1-508-786-00	2P PLUG (M)				
F4	*1-508-768-00	6P PLUG				
F7	*1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH)				
		FUSE				
F601 ⚠	1-532-350-11	FUSE, TIME-LAG 4.0A				
	1-533-087-00	HOLDER, FUSE, F601				
		IC				
IC601	8-759-100-75	IC UPC1394C				
		COIL				
L601	1-408-300-00	MICRO INDUCTOR 6.8UH				
L602	1-407-365-00	COIL, CHOKE (HIGH FREQUENCY)				
		TRANSISTOR				
Q601	8-729-195-82	TRANSISTOR 2SC2958				
Q602	8-729-163-93	TRANSISTOR 2SA639S				
Q603	8-729-300-90	TRANSISTOR 2SD1497-06				
Q604	8-729-245-83	TRANSISTOR 2SC2458				
Q605	8-729-204-83	TRANSISTOR 2SA1048GR				
		RESISTOR				
R601	1-246-507-00	CARBON	27K	5%	1/4W	
R602	1-247-855-00	CARBON	10K	5%	1/6W	
R603	1-247-840-00	CARBON	2.4K	5%	1/6W	
R604	1-247-829-00	CARBON	820	5%	1/6W	
R605	1-247-179-00	CARBON	100K	5%	1/4W	
R606	1-215-684-11	METAL OXIDE	100K	5%	3W	F
R607	1-247-155-00	CARBON	10K	5%	1/4W	
R608	1-202-730-00	SOLID	8.2M	10%	1/2W	
R609	1-202-723-00	SOLID	2.2M	10%	1/2W	
R610	1-205-687-00	CEMENTED	54K	10%	7W	
R611	1-247-829-00	CARBON	820	5%	1/6W	
R612	1-247-825-00	CARBON	560	5%	1/6W	
R613	1-246-531-00	CARBON	270K	5%	1/4W	
R614	1-247-851-00	CARBON	6.8K	5%	1/6W	
R615	1-247-873-00	CARBON	56K	5%	1/6W	
R616	1-213-159-00	METAL OXIDE	22K	5%	1W	F
R617	1-247-805-00	CARBON	82	5%	1/6W	
R618	1-247-831-00	CARBON	1K	5%	1/6W	
R619	1-217-376-00	FUSIBLE	1.2	5%	1/4W	F
R620	1-217-465-00	FUSIBLE	0.47	5%	1W	F
R621	1-217-193-00	WIREWOUND	0.27	10%	2W	F
R622	1-247-855-00	CARBON	10K	5%	1/8W	
R623	1-247-819-00	CARBON	330	5%	1/6W	
R624	1-247-871-00	CARBON	47K	5%	1/6W	
R625	1-247-871-00	CARBON	47K	5%	1/6W	
R626	1-247-891-00	CARBON	330K	5%	1/6W	
R627	1-247-873-00	CARBON	56K	5%	1/6W	
R628	1-246-513-25	CARBON	47K	5%	1/4W	
R629	1-247-855-00	CARBON	10K	5%	1/6W	
R630	1-247-879-00	CARBON	100K	5%	1/6W	
R631	1-246-511-00	CARBON	39K	5%	1/4W	

Ref.No.	Part No.	Description				Remark
R632	1-246-527-00	CARBON	180K	5%	1/4W	
R633	1-247-823-00	CARBON	470	5%	1/6W	
R634	1-205-757-11	CEMENTED	2.7	10%	10W	F
R635⚠	1-205-758-11	CEMENTED	100	10%	10W	F
R636	1-247-879-00	CARBON	100K	5%	1/6W	
		VARIABLE RESISTOR				
RV601	1-228-721-00	RES, ADJ, CERAMIC CARBON 2.2K				
		TRANSFORMER				
T601	1-446-194-00	TRANSFORMER, CHOPPER DRIVE				
T602	1-421-559-00	TRANSFORMER, FERRITE (S.R.T)				
T603⚠	1-421-582-11	TRANSFORMER, FERRITE				
		THERMISTOR				
TH601	1-800-202-XX	THERMISTOR S-10K				
⚠THP601	1-806-387-11	THERMISTOR (POSITIVE)				

****

*1-611-717-11 N BOARD
****

CAPACITOR

C1	1-123-611-00	ELECT	1MF	20%	50V
C2	1-123-613-00	ELECT	3.3MF	20%	50V
C3	1-102-112-00	CERAMIC	330PF	10%	50V
C4	1-123-821-00	ELECT	47MF	20%	16V

DIODE

D1	8-719-110-32	DIODE PH302B

IC

IC1	8-752-010-60	IC CX20106

RESISTOR

R1	1-247-799-00	CARBON	47	5%	1/6W
R2	1-247-775-00	CARBON	4.7	5%	1/6W
R3	1-214-784-00	METAL	200K	1%	1/4W
R4	1-247-863-00	CARBON	22K	5%	1/6W

****

*A-1295-942-A A BOARD, COMPLETE
****

	3-701-833-01	HEAD, WASHER, TAPPING SCREW
	*4-365-811-00	CASE (MAIN), SHIELD, VIF
	*4-365-813-00	LID, BOTTOM, SHIELD CASE, VIF
	*4-371-573-01	LID, UPPER, VIF SHIELD CASE

CONNECTOR

A1	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)
A2	*1-560-129-00	PLUG, CONNECTOR (2.5MM) 9P
A3	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P
A4	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P
A5	*1-508-786-00	2P PLUG (M)
A6	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P
A7	*1-508-765-00	3P PLUG (M)
A9	*1-508-784-00	1P PLUG
A10	*1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH)
A11	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)
A14	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)
A15	*1-560-127-00	PLUG, CONNECTOR (2.5MM PITCH)
A16	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)
A17	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)
A18	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)
A19	*1-508-768-00	6P PLUG
A20	*1-508-784-00	1P PLUG
M12	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)

CAPACITOR

C001	1-102-824-00	CERAMIC	470PF	5%	50V
C002	1-123-380-00	ELECT	1MF	20%	50V
C003	1-106-196-00	MYLAR	0.01MF	10%	100V
C004	1-123-306-00	ELECT	47MF	20%	10V
C006	1-102-973-00	CERAMIC	100PF	5%	50V
C007	1-102-973-00	CERAMIC	100PF	5%	50V
C008	1-136-165-00	FILM	0.1MF	5%	50V
C009	1-101-004-00	CERAMIC	0.01MF		50V
C010	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C011	1-123-380-00	ELECT	1MF	20%	50V
C012	1-123-356-00	ELECT	10MF	20%	50V
C013	1-123-380-00	ELECT	1MF	20%	50V
C014	1-123-381-00	ELECT	2.2MF	20%	50V
C015	1-101-005-00	CERAMIC	0.022MF		50V
C017	1-102-973-00	CERAMIC	100PF	5%	50V
C018	1-123-381-00	ELECT	2.2MF	20%	50V
C019	1-123-380-00	ELECT	1MF	20%	50V
C020	1-123-380-00	ELECT	1MF	20%	50V
C021	1-123-306-00	ELECT	47MF	20%	10V
C023	1-102-973-00	CERAMIC	100PF	5%	50V
C024	1-123-380-00	ELECT	1MF	20%	50V
C025	1-102-973-00	CERAMIC	100PF	5%	50V
C026	1-102-518-00	CERAMIC	33PF	5%	50V
C027	1-102-518-00	CERAMIC	33PF	5%	50V
C028	1-102-114-00	CERAMIC	470PF	10%	50V
C029	1-123-380-00	ELECT	1MF	20%	50V
C030	1-123-330-00	ELECT	22MF	20%	16V
C031	1-123-382-00	ELECT	3.3MF	20%	50V
C101	1-102-963-00	CERAMIC	33PF	5%	50V
C102	1-102-523-00	CERAMIC	56PF	5%	50V
C103	1-123-356-00	ELECT	10MF	20%	16V
C104	1-106-220-00	MYLAR	0.1MF	10%	100V
C105	1-123-332-00	ELECT	47MF	20%	16V
C106	1-123-356-00	ELECT	10MF	20%	16V

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

A

Ref.No.	Part No.	Description			Remark
C107	1-106-220-00	MYLAR	0.1MF	10%	100V
C108	1-123-356-00	ELECT	10MF	20%	16V
C109	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C110	1-102-524-00	CERAMIC	62PF	5%	50V
C111	1-102-959-00	CERAMIC	22PF	5%	50V
C112	1-102-822-00	CERAMIC	390PF	5%	50V
C113	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C114	1-123-356-00	ELECT	10MF	20%	16V
C115	1-102-963-00	CERAMIC	33PF	5%	50V
C116	1-106-216-00	MYLAR	0.068MF	10%	100V
C117	1-106-216-00	MYLAR	0.068MF	10%	100V
C118	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C120	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C121	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C122	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C123	1-102-525-00	CERAMIC	68PF	5%	50V
C124	1-102-513-00	CERAMIC	18PF	5%	50V
C125	1-123-380-00	ELECT	1MF	20%	50V
C126	1-121-705-00	ELECT	2.2MF	30%	25V
C127	1-123-021-00	ELECT	0.47MF	30%	50V
C128	1-108-587-00	MYLAR	0.022MF	10%	50V
C129	1-123-356-00	ELECT	10MF	20%	16V
C130	1-123-318-00	ELECT	33MF	20%	16V
C131	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C132	1-123-379-00	ELECT	0.47MF	20%	50V
C133	1-161-051-00	CERAMIC	0.01MF	10%	50V
C134	1-161-059-00	CERAMIC	0.047MF	10%	25V
C135	1-123-318-00	ELECT	33MF	20%	16V
C136	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C137	1-102-525-00	CERAMIC	68PF	5%	50V
C138	1-161-059-00	CERAMIC	0.047MF	10%	50V
C139	1-102-824-00	CERAMIC	470PF	5%	50V
C140	1-102-850-00	CERAMIC	56PF	5%	50V
C141	1-123-330-00	ELECT	22MF	20%	16V
C201	1-102-820-00	CERAMIC	330PF	5%	50V
C202	1-123-381-00	ELECT	2.2MF	20%	50V
C203	1-106-220-00	MYLAR	0.1MF	10%	100V
C204	1-123-323-00	ELECT	470MF	20%	16V
C205	1-123-332-00	ELECT	47MF	20%	16V
C206	1-123-333-00	ELECT	100MF	20%	16V
C207	1-123-324-00	ELECT	1000MF	20%	16V
C208	1-123-356-00	ELECT	10MF	20%	16V
C301	1-136-169-00	FILM	0.22MF	5%	50V
C303	1-123-380-00	ELECT	1MF	20%	50V
C304	1-101-004-00	CERAMIC	0.01MF		50V
C305	1-101-004-00	CERAMIC	0.01MF		50V
C308	1-123-356-00	ELECT	10MF	20%	16V
C309	1-123-382-00	ELECT	3.3MF	20%	50V
C310	1-123-380-00	ELECT	1MF	20%	50V
C312	1-131-371-00	TANTALUM	10MF	20%	16V
C313	1-106-208-00	MYLAR	0.033MF	10%	100V
C314	1-123-382-00	ELECT	3.3MF	20%	50V

Ref.No.	Part No.	Description			Remark
C315	1-123-379-00	ELECT	0.47MF	20%	50V
C316	1-106-212-00	MYLAR	0.047MF	10%	100V
C317	1-123-323-00	ELECT	470MF	20%	16V
C318	1-123-356-00	ELECT	10MF	20%	16V
C319	1-123-380-00	ELECT	1MF	20%	50V
C320	1-102-850-00	CERAMIC	56PF	5%	50V
C321	1-102-887-00	CERAMIC	47PF	5%	50V
C322	1-102-244-00	CERAMIC	220PF	10%	500V
C323	1-101-888-00	CERAMIC	68PF	5%	50V
C324	1-101-004-00	CERAMIC	0.01MF		50V
C325	1-102-978-00	CERAMIC	220PF	5%	50V
C326	1-106-212-00	MYLAR	0.047MF	10%	100V
C327	1-123-379-00	ELECT	0.47MF	20%	50V
C328	1-106-212-00	MYLAR	0.047MF	10%	100V
C329	1-102-852-00	CERAMIC	47PF	5%	50V
C330	1-102-852-00	CERAMIC	47PF	5%	50V
C331	1-102-513-00	CERAMIC	18PF	5%	50V
C332	1-102-518-00	CERAMIC	33PF	5%	50V
C333	1-101-004-00	CERAMIC	0.01MF		50V
C334	1-101-884-00	CERAMIC	56PF	5%	50V
C335	1-101-004-00	CERAMIC	0.01MF		50V
C337	1-101-004-00	CERAMIC	0.01MF		50V
C338	1-102-947-00	CERAMIC	10PF	5%	50V
C339	1-102-947-00	CERAMIC	10PF	5%	50V
C340	1-102-947-00	CERAMIC	10PF	5%	50V
C342	1-102-074-00	CERAMIC	0.001MF	10%	50V
C343	1-123-323-00	ELECT	470MF	20%	16V
C345	1-123-356-00	ELECT	10MF	20%	16V
C346	1-123-356-00	ELECT	10MF	20%	16V
C501	1-123-381-00	ELECT	2.2MF	20%	50V
C502	1-102-228-00	CERAMIC	470PF	10%	500V
C503	1-106-212-00	MYLAR	0.047MF	10%	100V
C505	1-101-804-00	CERAMIC	10PF	5%	500V
C506	1-106-196-00	MYLAR	0.01MF	10%	100V
C507	1-106-204-00	MYLAR	0.022MF	10%	100V
C508	1-106-204-00	MYLAR	0.022MF	10%	100V
C509	1-123-380-00	ELECT	1MF	20%	50V
C510	1-123-380-00	ELECT	1MF	20%	50V
C511	1-106-180-00	MYLAR	0.0022MF	5%	50V
C512	1-130-024-00	FILM	0.0033MF	5%	50V
C513	1-123-321-00	ELECT	220MF	20%	16V
C514	1-136-173-00	FILM	0.47MF	5%	50V
C515	1-123-228-00	ELECT	1MF	20%	50V
C516	1-106-176-00	MYLAR	0.0015MF	10%	100V
C517	1-123-321-00	ELECT	220MF	20%	16V
C518	1-106-210-00	MYLAR	0.039MF	10%	100V
C519	1-123-380-00	ELECT	1MF	20%	50V
C520	1-106-196-00	MYLAR	0.01MF	10%	100V
C521	1-123-380-00	ELECT	1MF	20%	50V
C522	1-136-173-00	FILM	0.47MF	5%	50V
C523	1-123-382-00	ELECT	3.3MF	20%	50V
C524	1-108-595-00	MYLAR	0.047MF	5%	50V
C525	1-123-381-00	ELECT	2.2MF	20%	50V

Ref.No.	Part No.	Description			Remark
C526	1-124-190-00	ELECT	680MF	10%	35V
C527	1-102-244-00	CERAMIC	220PF	10%	500V
C528	1-106-204-00	MYLAR	0.022MF	10%	100V
C529	1-123-360-00	ELECT	100MF	20%	50V
C530	1-123-348-00	ELECT	470MF	20%	35V
C531	1-102-038-00	CERAMIC	0.001MF		500V
C532	1-123-349-00	ELECT	1000MF	20%	35V
C533	1-121-999-00	ELECT	10MF		160V
C534	1-102-038-00	CERAMIC	0.001MF		500V
C535	1-123-334-00	ELECT	220MF	20%	25V
C536	1-102-038-00	CERAMIC	0.001MF		500V
C537	1-102-038-00	CERAMIC	0.001MF		500V
C538	1-106-367-00	MYLAR	0.01MF	10%	200V
C539	1-123-324-00	ELECT	1000MF	20%	16V
C540	1-108-425-00	MYLAR	0.022MF	10%	200V
C541	1-123-254-00	ELECT	10MF		250V
C542	1-102-223-00	CERAMIC	0.0047MF	10%	2KV
C543	1-102-212-00	CERAMIC	820PF	10%	500V
C544	1-136-140-00	FILM	0.51MF	5%	400V
C546 ⚠	1-136-091-11	FILM	6800PF	3%	2KV
C547	1-106-196-00	MYLAR	0.01MF	10%	100V
C548 ⚠	1-161-754-11	CERAMIC	0.001MF	10%	3KV
C549	1-106-208-00	MYLAR	0.033MF	10%	100V
C550	1-102-030-00	CERAMIC	330PF	10%	500V
C551	1-102-030-00	CERAMIC	330PF	10%	500V
C552	1-106-385-00	MYLAR	0.056MF	10%	200V
C553	1-123-024-00	ELECT	33MF		160V
C554	1-106-204-00	MYLAR	0.022MF	10%	100V
C555	1-106-196-00	MYLAR	0.01MF	10%	100V
C556	1-102-002-00	CERAMIC	680PF	10%	500V
C559	1-123-331-00	ELECT	33MF	20%	25V
C561	1-123-346-00	ELECT	220MF	20%	35V
C562	1-136-173-00	FILM	0.47MF	5%	50V
C563	1-136-165-00	FILM	0.1MF	5%	50V
C564	1-106-208-00	MYLAR	0.033MF	10%	100V
C565	1-123-332-00	ELECT	47MF	20%	16V
C568	1-106-216-00	MYLAR	0.068MF	10%	100V
C569	1-123-021-00	ELECT	0.47MF	30%	50V

FILTER

CF001	1-527-790-00	OSCILLATOR, CERAMIC
CF101	1-404-473-00	DISCRIMINATOR, CERAMIC
CF102	1-567-099-00	FILTER, CERAMIC
CF103	1-404-134-00	TRAP, CERAMIC (5.5MHZ)

DIODE

D001	8-719-911-19	DIODE 1SS119
D002	8-719-911-19	DIODE 1SS119
D003	8-719-911-19	DIODE 1SS119
D004	8-719-911-19	DIODE 1SS119
D005	8-719-101-35	DIODE RD3.0E-L2
D009	8-719-101-02	DIODE RD30E-B4
D010	8-759-157-40	IC UPC574J

Ref.No.	Part No.	Description	Remark
D011	8-719-100-35	DIODE RD5.6E-B2	
D012	8-719-911-19	DIODE 1SS119	
D013	8-719-911-19	DIODE 1SS119	
D014	8-719-911-19	DIODE 1SS119	
D015	8-719-931-05	DIODE EQB01-05	
D016	8-719-911-19	DIODE 1SS119	
D017	8-719-911-19	DIODE 1SS119	
D019	8-719-911-19	DIODE 1SS119	
D101	8-719-911-19	DIODE 1SS119	
D201	8-719-103-06	DIODE RD13E-N2	
D202	8-719-102-74	DIODE RD6.2E-N2	
D301	8-719-911-19	DIODE 1SS119	
D302	8-719-911-19	DIODE 1SS119	
D303	8-719-100-22	DIODE RD4.3E-B1	
D304	8-719-911-19	DIODE 1SS119	
D305	8-719-911-19	DIODE 1SS119	
D306	8-719-911-19	DIODE 1SS119	
D307	8-719-911-19	DIODE 1SS119	
D501	8-719-911-19	DIODE 1SS119	
D502	8-719-911-19	DIODE 1SS119	
D503	8-719-911-55	DIODE U05G	
D504	8-719-924-06	DIODE ERC24-06S	
D505	8-719-924-06	DIODE ERC24-06S	
D506	8-719-924-06	DIODE ERC24-06S	
D507	8-719-931-05	DIODE EQB01-05	
D508	8-719-924-06	DIODE ERC24-06S	
D509	8-719-300-65	DIODE ES1F	
D512	8-719-911-55	DIODE U05G	
D513	8-719-911-55	DIODE U05G	

DELAY LINE

DL301	1-415-122-31	DELAY LINE, 1H (PAL)	

IC

IC001	8-759-600-89	IC CX523-013P	
IC002	8-759-600-92	IC M58657P	
IC003	8-759-600-62	IC M50143-002P	
IC101	8-759-800-12	IC LA7920	
IC102	8-752-001-51	IC CX20015A	
IC201	8-759-101-77	IC UPC1241H	
IC301	8-759-113-65	IC UPC1365C	
IC501	8-759-100-60	IC UPC1377C	
IC502	8-759-113-78	IC UPC1378H-L	
IC503	8-759-700-06	IC NJM7812B	
	*4-323-833-00	HEAT SINK, PIN OUT; IC503	

COIL

L002	1-408-398-00	MICRO INDUCTOR 1.2UH	
L003	1-408-411-00	MICRO INDUCTOR 15UH	
L101	1-408-403-00	MICRO INDUCTOR 3.3UH	
L102	1-404-465-00	COIL, VIF (MOLD TYPE)	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

A

Ref.No.	Part No.	Description	Remark
L103	1-404-465-00	COIL, VIF (MOLD TYPE)	
L104	1-408-397-00	MICRO INDUCTOR 1UH	
L106	1-408-413-00	MICRO INDUCTOR 22UH	
L107	1-408-408-00	MICRO INDUCTOR 8.2UH	
L108	1-408-400-00	MICRO INDUCTOR 1.8UH	
L109	1-408-423-00	MICRO INDUCTOR 150UH	
L110	1-408-411-00	MICRO INDUCTOR 15UH	
L302	1-408-415-00	MICRO INDUCTOR 33UH	
L303	1-408-242-00	MICRO INDUCTOR 10MMH	
L304	1-408-942-00	MICRO INDUCTOR 3.3MMH	
L305	1-408-414-00	MICRO INDUCTOR 27UH	
L306	1-408-408-00	MICRO INDUCTOR 8.2UH	
L501	1-459-106-00	COIL, DUST CORE	
L502	1-459-407-00	COIL, FERRITE CHOKE	
L503	1-459-348-00	COIL, VAR, FERRITE (HWC)	
L504	1-459-496-00	COIL, FERRITE (HLC)	
L505	1-459-106-00	COIL, DUST CORE	
L506	1-407-365-00	COIL, CHOKE	
L507	1-408-225-00	MICRO INDUCTOR 3.3UH	
L508	1-459-215-00	CORE COIL	
		TRANSISTOR	
Q001	8-729-245-83	TRANSISTOR 2SC2458	
Q002	8-729-204-83	TRANSISTOR 2SA1048GR	
Q004	8-729-245-83	TRANSISTOR 2SC2458	
Q005	8-729-245-83	TRANSISTOR 2SC2458	
Q006	8-729-245-83	TRANSISTOR 2SC2458	
Q007	8-724-375-01	TRANSISTOR 2SC403C	
Q009	8-729-245-83	TRANSISTOR 2SC2458	
Q101	8-729-266-93	TRANSISTOR 2SC2669	
Q102	8-729-245-83	TRANSISTOR 2SC2458	
Q103	8-729-245-83	TRANSISTOR 2SC2458	
Q104	8-729-204-83	TRANSISTOR 2SA1048GR	
Q105	8-729-204-83	TRANSISTOR 2SA1048GR	
Q106	8-729-245-83	TRANSISTOR 2SC2458	
Q201	8-729-109-53	TRANSISTOR 2SD795A	
Q202	8-729-245-83	TRANSISTOR 2SC2458	
Q301	8-729-245-83	TRANSISTOR 2SC2458	
Q302	8-729-245-83	TRANSISTOR 2SC2458	
Q303	8-729-245-83	TRANSISTOR 2SC2458	
Q304	8-729-204-83	TRANSISTOR 2SA1048GR	
Q305	8-729-245-83	TRANSISTOR 2SC2458	
Q306	8-729-204-83	TRANSISTOR 2SA1048GR	
Q307	8-729-245-83	TRANSISTOR 2SC2458	
Q308	8-729-245-83	TRANSISTOR 2SC2458	
Q309	8-729-204-83	TRANSISTOR 2SA1048GR	
Q501	8-729-245-83	TRANSISTOR 2SC2458	
Q502	8-729-800-35	TRANSISTOR 2SD1397	
Q503	8-729-168-82	TRANSISTOR 2SC2688	
Q506	8-729-177-43	TRANSISTOR 2SD774	
Q507	8-729-245-83	TRANSISTOR 2SC2458	

Ref.No.	Part No.	Description				Remark
		RESISTOR				
R001	1-247-831-00	CARBON	1K	5%	1/6W	
R002	1-247-831-00	CARBON	1K	5%	1/6W	
R003	1-247-831-00	CARBON	1K	5%	1/6W	
R004	1-247-847-00	CARBON	4.7K	5%	1/6W	
R005	1-247-863-00	CARBON	22K	5%	1/6W	
R006	1-247-831-00	CARBON	1K	5%	1/6W	
R007	1-247-131-00	CARBON	1K	5%	1/4W	
R008	1-247-831-00	CARBON	1K	5%	1/6W	
R009	1-247-863-00	CARBON	22K	5%	1/6W	
R010	1-247-831-00	CARBON	1K	5%	1/6W	
R013	1-246-505-00	CARBON	22K	5%	1/4W	
R014	1-247-863-00	CARBON	22K	5%	1/6W	
R015	1-247-831-00	CARBON	1K	5%	1/6W	
R016	1-247-863-00	CARBON	22K	5%	1/6W	
R017	1-247-863-00	CARBON	22K	5%	1/6W	
R018	1-247-859-00	CARBON	15K	5%	1/6W	
R019	1-247-863-00	CARBON	22K	5%	1/6W	
R020	1-247-855-00	CARBON	10K	5%	1/6W	
R021	1-206-745-00	METAL OXIDE	6.8K	5%	3W	F
R022	1-247-863-00	CARBON	22K	5%	1/6W	
R023	1-247-863-00	CARBON	22K	5%	1/6W	
R024	1-206-692-00	METAL OXIDE	15K	5%	2W	F
R025	1-247-831-00	CARBON	1K	5%	1/6W	
R026	1-247-831-00	CARBON	1K	5%	1/6W	
R027	1-247-831-00	CARBON	1K	5%	1/6W	
R028	1-247-831-00	CARBON	1K	5%	1/6W	
R029	1-247-831-00	CARBON	1K	5%	1/6W	
R030	1-247-831-00	CARBON	1K	5%	1/6W	
R031	1-247-815-00	CARBON	220	5%	1/6W	
R032	1-247-815-00	CARBON	220	5%	1/6W	
R033	1-246-457-00	CARBON	220	5%	1/4W	
R034	1-247-867-00	CARBON	33K	5%	1/6W	
R035	1-247-867-00	CARBON	33K	5%	1/6W	
R036	1-247-855-00	CARBON	10K	5%	1/6W	
R037	1-247-855-00	CARBON	10K	5%	1/6W	
R038	1-247-131-00	CARBON	1K	5%	1/4W	
R039	1-247-855-00	CARBON	10K	5%	1/6W	
R040	1-247-847-00	CARBON	4.7K	5%	1/6W	
R041	1-247-865-00	CARBON	27K	5%	1/6W	
R042	1-247-179-00	CARBON	100K	5%	1/4W	
R043	1-246-509-25	CARBON	33K	5%	1/4W	
R044	1-247-861-00	CARBON	18K	5%	1/6W	
R045	1-247-872-00	CARBON	51K	5%	1/6W	
R046	1-247-861-00	CARBON	18K	5%	1/6W	
R047	1-247-865-00	CARBON	27K	5%	1/6W	
R048	1-247-861-00	CARBON	18K	5%	1/6W	
R049	1-247-855-00	CARBON	10K	5%	1/6W	
R050	1-247-855-00	CARBON	10K	5%	1/6W	
R051	1-247-861-00	CARBON	18K	5%	1/6W	

Ref.No.	Part No.	Description				Remark
R052	1-247-863-00	CARBON	22K	5%	1/6W	
R053	1-247-863-00	CARBON	22K	5%	1/6W	
R055	1-246-507-00	CARBON	27K	5%	1/4W	
R056	1-247-879-00	CARBON	100K	5%	1/6W	
R057	1-247-839-00	CARBON	2.2K	5%	1/6W	
R058	1-212-974-00	FUSIBLE	47	5%	1/2W	F
R059	1-247-873-00	CARBON	56K	5%	1/6W	
R060	1-247-807-00	CARBON	100	5%	1/6W	
R061	1-247-871-00	CARBON	47K	5%	1/6W	
R062	1-247-855-00	CARBON	10K	5%	1/6W	
R063	1-246-509-25	CARBON	33K	5%	1/4W	
R064	1-246-505-00	CARBON	22K	5%	1/4W	
R066	1-247-865-00	CARBON	27K	5%	1/6W	
R067	1-247-107-00	CARBON	100	5%	1/4W	
R101	1-247-847-00	CARBON	4.7K	5%	1/6W	
R102	1-247-847-00	CARBON	4.7K	5%	1/6W	
R103	1-247-888-00	CARBON	240K	5%	1/6W	
R104	1-247-839-00	CARBON	2.2K	5%	1/6W	
R105	1-247-879-00	CARBON	100K	5%	1/6W	
R106	1-247-179-00	CARBON	100K	5%	1/4W	
R107	1-247-855-00	CARBON	10K	5%	1/6W	
R108	1-247-859-00	CARBON	15K	5%	1/6W	
R109	1-247-803-00	CARBON	68	5%	1/6W	
R110	1-247-833-00	CARBON	1.2K	5%	1/6W	
R111	1-247-822-00	CARBON	430	5%	1/6W	
R112	1-247-813-00	CARBON	180	5%	1/6W	
R113	1-247-839-00	CARBON	2.2K	5%	1/6W	
R114	1-247-839-00	CARBON	2.2K	5%	1/6W	
R115	1-247-891-00	CARBON	330K	5%	1/6W	
R116	1-247-863-00	CARBON	22K	5%	1/6W	
R117	1-247-829-00	CARBON	820	5%	1/6W	
R118	1-247-857-00	CARBON	12K	5%	1/6W	
R119	1-247-857-00	CARBON	12K	5%	1/6W	
R120	1-247-871-00	CARBON	47K	5%	1/6W	
R122	1-247-831-00	CARBON	1K	5%	1/6W	
R123	1-247-841-00	CARBON	2.7K	5%	1/6W	
R124	1-247-831-00	CARBON	1K	5%	1/6W	
R125	1-247-839-00	CARBON	2.2K	5%	1/6W	
R126	1-247-828-00	CARBON	750	5%	1/6W	
R127	1-214-731-00	METAL	1.2K	1%	1/4W	
R128	1-214-714-51	METAL	240	1%	1/4W	
R129	1-247-636-00	CARBON	0.47	5%	1/8W	F
R130	1-247-847-00	CARBON	4.7K	5%	1/6W	
R131	1-247-815-00	CARBON	220	5%	1/6W	
R132	1-247-879-00	CARBON	100K	5%	1/6W	
R133	1-247-845-00	CARBON	3.9K	5%	1/6W	
R134	1-247-826-00	CARBON	620	5%	1/6W	
R135	1-247-825-00	CARBON	560	5%	1/6W	
R136	1-247-811-00	CARBON	150	5%	1/6W	
R137	1-247-815-00	CARBON	220	5%	1/6W	
R138	1-247-807-00	CARBON	100	5%	1/6W	
R139	1-247-843-00	CARBON	3.3K	5%	1/6W	
R140	1-246-463-25	CARBON	390	5%	1/4W	

Ref.No.	Part No.	Description				Remark
R141	1-247-837-00	CARBON	1.8K	5%	1/6W	
R142	1-247-847-00	CARBON	4.7K	5%	1/6W	
R201	1-247-863-00	CARBON	22K	5%	1/6W	
R202	1-247-863-00	CARBON	22K	5%	1/6W	
R203	1-247-831-00	CARBON	1K	5%	1/6W	
R204	1-247-071-00	CARBON	1	5%	1/4W	
R205	1-247-817-00	CARBON	270	5%	1/6W	
R206	1-247-863-00	CARBON	22K	5%	1/6W	
R207	1-247-855-00	CARBON	10K	5%	1/6W	
R301	1-247-885-00	CARBON	180K	5%	1/6W	
R302	1-247-843-00	CARBON	3.3K	5%	1/6W	
R303	1-247-877-00	CARBON	82K	5%	1/6W	
R304	1-247-887-00	CARBON	220K	5%	1/6W	
R305	1-247-835-00	CARBON	1.5K	5%	1/6W	
R306	1-247-835-00	CARBON	1.5K	5%	1/6W	
R307	1-247-817-00	CARBON	270	5%	1/6W	
R308	1-247-833-00	CARBON	1.2K	5%	1/6W	
R309	1-247-835-00	CARBON	1.5K	5%	1/6W	
R310	1-247-843-00	CARBON	3.3K	5%	1/6W	
R311	1-247-861-00	CARBON	18K	5%	1/6W	
R312	1-247-855-00	CARBON	10K	5%	1/6W	
R313	1-247-863-00	CARBON	22K	5%	1/6W	
R314	1-247-867-00	CARBON	33K	5%	1/6W	
R315	1-247-155-00	CARBON	10K	5%	1/4W	
R316	1-247-871-00	CARBON	47K	5%	1/6W	
R317	1-247-831-00	CARBON	1K	5%	1/6W	
R318	1-247-863-00	CARBON	22K	5%	1/6W	
R319	1-247-807-00	CARBON	100	5%	1/6W	
R320	1-247-807-00	CARBON	100	5%	1/6W	
R322	1-247-807-00	CARBON	100	5%	1/6W	
R323	1-247-857-00	CARBON	12K	5%	1/6W	
R324	1-247-863-00	CARBON	22K	5%	1/6W	
R325	1-247-845-00	CARBON	3.9K	5%	1/6W	
R326	1-247-895-00	CARBON	470K	5%	1/6W	
R327	1-247-855-00	CARBON	10K	5%	1/6W	
R328	1-247-859-00	CARBON	15K	5%	1/6W	
R329	1-247-847-00	CARBON	4.7K	5%	1/6W	
R330	1-246-465-25	CARBON	470	5%	1/4W	
R331	1-247-807-00	CARBON	100	5%	1/6W	
R332	1-247-849-00	CARBON	5.6K	5%	1/6W	
R333	1-247-831-00	CARBON	1K	5%	1/6W	
R334	1-247-155-00	CARBON	10K	5%	1/4W	
R335	1-247-843-00	CARBON	3.3K	5%	1/6W	
R336	1-247-823-00	CARBON	470	5%	1/6W	
R337	1-247-829-00	CARBON	820	5%	1/6W	
R338	1-247-841-00	CARBON	2.7K	5%	1/6W	
R339	1-247-847-00	CARBON	4.7K	5%	1/6W	
R340	1-247-871-00	CARBON	47K	5%	1/6W	
R341	1-247-839-00	CARBON	2.2K	5%	1/6W	
R342	1-247-903-00	CARBON	1M	5%	1/6W	
R343	1-247-839-00	CARBON	2.2K	5%	1/6W	
R344	1-247-865-00	CARBON	27K	5%	1/6W	
R345	1-247-865-00	CARBON	27K	5%	1/6W	

A

Ref.No.	Part No.	Description				Remark
R346	1-247-851-00	CARBON	6.8K	5%	1/6W	
R347	1-247-839-00	CARBON	2.2K	5%	1/6W	
R348	1-247-829-00	CARBON	820	5%	1/6W	
R349	1-247-831-00	CARBON	1K	5%	1/6W	
R350	1-247-850-00	CARBON	6.2K	5%	1/6W	
R352	1-247-839-00	CARBON	2.2K	5%	1/8W	F
R353	1-247-831-00	CARBON	1K	5%	1/6W	
R354	1-247-828-00	CARBON	750	5%	1/6W	
R355	1-247-831-00	CARBON	1K	5%	1/6W	
R356	1-247-843-00	CARBON	3.3K	5%	1/6W	
R357	1-247-843-00	CARBON	3.3K	5%	1/6W	
R358	1-247-843-00	CARBON	3.3K	5%	1/6W	
R359	1-247-799-00	CARBON	47	5%	1/6W	
R360	1-247-799-00	CARBON	47	5%	1/6W	
R361	1-247-799-00	CARBON	47	5%	1/6W	
R362	1-247-821-00	CARBON	390	5%	1/6W	
R363	1-247-821-00	CARBON	390	5%	1/6W	
R364	1-247-815-00	CARBON	220	5%	1/6W	
R365	1-247-815-00	CARBON	220	5%	1/6W	
R366	1-247-831-00	CARBON	1K	5%	1/6W	
R373	1-247-831-00	CARBON	1K	5%	1/6W	
R501	1-247-119-00	CARBON	330	5%	1/4W	
R502	1-247-855-00	CARBON	10K	5%	1/6W	
R503	1-247-877-00	CARBON	82K	5%	1/6W	
R504	1-247-877-00	CARBON	82K	5%	1/6W	
R505	1-247-843-00	CARBON	3.3K	5%	1/6W	
R506	1-247-868-00	CARBON	36K	5%	1/6W	
R507	1-246-499-00	CARBON	12K	5%	1/4W	
R508	1-213-158-00	METAL OXIDE	18K	5%	1W	F
R509	1-247-155-00	CARBON	10K	5%	1/4W	
R510	1-213-141-00	METAL OXIDE	680	5%	1W	F
R511	1-247-847-00	CARBON	4.7K	5%	1/6W	
R512	1-247-809-00	CARBON	120	5%	1/6W	
R513	1-247-871-00	CARBON	47K	5%	1/6W	
R514	1-247-117-00	CARBON	270	5%	1/4W	
R515	1-206-640-00	METAL OXIDE	100	5%	2W	F
R516	1-247-845-00	CARBON	3.9K	5%	1/6W	
R517	1-247-841-00	CARBON	2.7K	5%	1/6W	
R518	1-247-873-00	CARBON	56K	5%	1/6W	
R519	1-214-783-00	METAL	180K	1%	1/4W	
R520	1-214-763-00	METAL	27K	1%	1/4W	
R521	1-214-769-00	METAL	47K	1%	1/4W	
R522	1-214-768-00	METAL	43K	1%	1/4W	
R523	1-214-771-00	METAL	56K	1%	1/4W	
R524	1-247-837-00	CARBON	1.8K	5%	1/6W	
R525	1-247-835-00	CARBON	1.5K	5%	1/6W	
R526	1-247-769-00	CARBON	2.7	5%	1/6W	
R527	1-247-853-00	CARBON	8.2K	5%	1/6W	
R528	1-247-859-00	CARBON	15K	5%	1/6W	
R529	1-247-847-00	CARBON	4.7K	5%	1/6W	
R530	1-247-835-00	CARBON	1.5K	5%	1/6W	
R531	1-247-862-00	CARBON	20K	5%	1/6W	
R532	1-247-863-00	CARBON	22K	5%	1/6W	

Ref.No.	Part No.	Description				Remark
R533	1-212-362-00	METAL OXIDE	1.5	5%	1W	F
R534	1-217-387-00	FUSIBLE	10	5%	1/4W	F
R535	1-213-137-00	METAL OXIDE	330	5%	1W	F
R536	1-246-507-00	CARBON	27K	5%	1/4W	
R537	1-247-636-00	CARBON	0.47	5%	1/8W	F
R538	1-202-814-51	SOLID	33K		1/2W	
R539	1-217-371-00	FUSIBLE	0.47	10%	1/4W	F
R540	1-206-467-00	METAL OXIDE	15	5%	2W	F
R541	1-202-830-00	SOLID	10K		1/2W	
R542	1-246-493-25	CARBON	6.8K	5%	1/4W	
R543	1-214-784-00	METAL	200K	1%	1/4W	
R544	1-210-859-00	CARBON	1.2	5%	1/8W	F
R545	1-247-831-00	CARBON	1K	5%	1/8W	F
R546	1-213-139-00	METAL OXIDE	470	5%	1W	F
R547	1-247-226-00	CARBON	270	5%	1/2W	
R548	1-212-372-00	METAL OXIDE	10	5%	1W	F
R549	1-212-372-00	METAL OXIDE	10	5%	1W	F
R551	1-247-596-00	CARBON	4.7K	5%	1/8W	
R552	1-205-642-00	CEMENTED	3.3K	10%	5W	
R553	1-246-535-00	CARBON	390K	5%	1/4W	
R554	1-247-827-00	CARBON	680	5%	1/6W	
R565	1-247-853-00	CARBON	8.2K	5%	1/6W	
R566	1-247-841-00	CARBON	2.7K	5%	1/6W	
R567	1-247-805-00	CARBON	82	5%	1/8W	F
R568	1-210-357-00	CARBON	120	5%	1/8W	F
R569	1-206-656-00	METAL OXIDE	470	5%	2W	F
R570	1-246-481-00	CARBON	2.2K	5%	1/4W	
R571	1-202-826-00	SOLID	4.7K		1/2W	
R572	1-247-869-00	CARBON	39K	5%	1/6W	
R573	1-247-865-00	CARBON	27K	5%	1/6W	
R574	1-247-831-00	CARBON	1K	5%	1/6W	
R575	1-247-831-00	CARBON	1K	5%	1/6W	
R576	1-246-517-25	CARBON	68K	5%	1/4W	
R577	1-247-839-00	CARBON	2.2K	5%	1/6W	
R578	1-247-871-00	CARBON	47K	5%	1/6W	

VARIABLE RESISTOR

RV101	1-228-723-00	RES, ADJ, CERAMIC CARBON 4.7K
RV301	1-228-723-00	RES, ADJ, CERAMIC CARBON 4.7K
RV302	1-228-723-00	RES, ADJ, CERAMIC CARBON 4.7K
RV304	1-228-860-00	RES, VAR, CARBON 10K
RV305	1-228-721-00	RES, ADJ, CERAMIC CARBON 2.2K
RV306	1-228-723-00	RES, ADJ, CERAMIC CARBON 4.7K
RV307	1-228-719-00	RES, ADJ, CERAMIC CARBON 470
RV501	1-224-251-XX	RES, ADJ, METAL GLAZE 4.7K
RV502	1-228-859-00	RES, VAR, CARBON 10K
RV503	1-228-717-00	RES, ADJ, CERAMIC CARBON 220
RV504	1-224-251-XX	RES, ADJ, METAL GLAZE 4.7K
RV505	1-223-102-00	RES, ADJ, WIREWOUND 120
RV508	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K
RV509	1-228-726-00	RES, ADJ, CERAMIC CARBON 33K

Ref.No.	Part No.	Description	Remark
		FILTER	
SF101	1-404-433-00	SAWF	
		SPARK GAP	
SG501	1-519-063-XX	DISCHARGING GAP	
		TRANSFORMER	
T102	1-404-465-00	COIL, VIF (MOLD TYPE)	
T103	1-404-465-00	COIL, VIF (MOLD TYPE)	
T201 ⚠	1-427-541-11	TRANSFORMER, OUTPUT	
T301	1-426-121-00	DAT	
T501	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE	
T502 ⚠	1-439-333-11	TRANSFORMER ASSY, FLYBACK	
T503	1-421-636-00	TRANSFORMER, FERRITE (DCT)	
		THERMISTOR	
TH501	1-806-213-00	THERMISTOR	
		TUNER	
TU101 ⚠	1-463-421-21	TUNER, ET (BT-883)	
		CRYSTAL	
X301	1-527-345-00	CRYSTAL, OSC	
		MODULE	
YCM301	1-235-268-00	MODULE	

****

*A-1330-573-A	C BOARD, COMPLETE	
	**********	
*4-365-803-00	COVER (MAIN), CV CONTROL	
*4-365-804-00	COVER (REAR LID), CV CONTROL	

CONNECTOR

C1	*1-506-371-00	2P PLUG (L)
C2	*1-508-786-00	2P PLUG (M)
C3	*1-508-784-00	1P PLUG
C4	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P
C5	*1-508-765-00	3P PLUG (M)

CAPACITOR

C701	1-123-356-00	ELECT	10MF	20%	50V
C702	1-102-249-00	CERAMIC	680PF	20%	2KV
C703	1-129-714-00	FILM	0.01MF	20%	630V
C704	1-102-155-00	CERAMIC	330PF	20%	2KV
C705	1-102-115-00	CERAMIC	560PF	10%	50V
C706	1-102-111-00	CERAMIC	270PF	10%	50V
C707	1-102-111-00	CERAMIC	270PF	10%	50V

Ref.No.	Part No.	Description			Remark
		DIODE			
D701	8-719-911-19	DIODE 1SS119			
		JACK			
J701	1-526-762-00	SOCKET, CRT			
		COIL			
L701	1-407-681-00	MICRO INDUCTOR 1UH			
L702	1-408-424-00	MICRO INDUCTOR 180UH			
		TRANSISTOR			
Q701	8-729-326-11	TRANSISTOR 2SC2611			
Q702	8-729-326-11	TRANSISTOR 2SC2611			
Q703	8-729-326-11	TRANSISTOR 2SC2611			
		RESISTOR			
R701	1-247-852-00	CARBON	7.5K	5%	1/6W
R703	1-247-817-00	CARBON	270	5%	1/6W
R704	1-247-844-00	CARBON	3.6K	5%	1/6W
R705	1-202-824-00	SOLID	3.3K		1/2W
R706	1-206-690-00	METAL OXIDE	12K	5%	2W F
R707	1-247-846-00	CARBON	4.3K	5%	1/6W
R708	1-247-829-00	CARBON	820	5%	1/6W
R709	1-247-821-00	CARBON	390	5%	1/6W
R710	1-247-844-00	CARBON	3.6K	5%	1/6W
R711	1-202-824-00	SOLID	3.3K		1/2W
R712	1-206-690-00	METAL OXIDE	12K	5%	2W F
R713	1-247-846-00	CARBON	4.3K	5%	1/6W
R714	1-247-829-00	CARBON	820	5%	1/6W
R715	1-247-821-00	CARBON	390	5%	1/6W
R716	1-247-844-00	CARBON	3.6K	5%	1/6W
R717	1-202-824-00	SOLID	3.3K		1/2W
R718	1-206-690-00	METAL OXIDE	12K	5%	2W F
R719	1-202-842-51	SOLID	220K		1/2W
R720	1-202-719-00	SOLID	1M	10%	1/2W
R722	1-202-848-00	SOLID	680K		1/2W
R723	1-202-838-00	SOLID	100K		1/2W
R724	1-202-837-00	SOLID	82K		1/2W
R725	1-202-549-00	SOLID	100	10%	1/2W
R726	1-202-818-00	SOLID	1K		1/2W
R727	1-247-807-00	CARBON	100	5%	1/6W
R728	1-247-807-00	CARBON	100	5%	1/6W
R729	1-247-807-00	CARBON	100	5%	1/6W
R730	1-202-846-00	SOLID	470K		1/2W
		VARIABLE RESISTOR			
RV701	1-230-105-00	RES, ADJ, CARBON 3.3K			
RV702	1-230-103-00	RES, ADJ, CARBON 2.2K			
RV703	1-230-104-00	RES, ADJ, CARBON 4.7K			
RV704	1-230-103-00	RES, ADJ, CARBON 2.2K			
RV705	1-230-104-00	RES, ADJ, CARBON 4.7K			

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

C H Z

Ref.No.	Part No.	Description	Remark
RV706	1-226-114-00	RES, ADJ, METAL GLAZE 2.2M	
RV707	1-226-114-00	RES, ADJ, METAL GLAZE 2.2M	
RV708	1-230-164-00	RES, ADJ, METAL GLAZE 55M	
RV709	1-230-106-00	RES, ADJ, CARBON 10K	

****

	*1-613-513-11	H BOARD *******	
		DIODE	
D401	8-719-911-19	DIODE 1SS119	
D402	8-719-911-19	DIODE 1SS119	
LED401	8-719-800-94	DIODE TLUR144	
	*4-368-418-01	HOLDER, LED; LED401	
LED402	8-719-812-41	DIODE TLR124	
	*4-358-502-00	HOLDER, LED; LED401	
		SWITCH	
S401	1-554-303-00	SWITCH, KEY BOARD	
S402	1-554-303-00	SWITCH, KEY BOARD	
S403	1-554-303-00	SWITCH, KEY BOARD	
S404	1-554-303-00	SWITCH, KEY BOARD	
S405	1-554-303-00	SWITCH, KEY BOARD	
S406	1-554-303-00	SWITCH, KEY BOARD	
S407	1-554-303-00	SWITCH, KEY BOARD	
S408	1-553-075-21	SWITCH, PUSH	
S409	1-553-075-21	SWITCH, PUSH	
S411	1-554-303-00	SWITCH, KEY BOARD	
S412	1-554-303-00	SWITCH, KEY BOARD	
S413	1-553-075-21	SWITCH, PUSH	
S414	1-554-303-00	SWITCH, KEY BOARD	
S415	1-554-303-00	SWITCH, KEY BOARD	
S416	1-553-075-21	SWITCH, PUSH	

****

	*1-613-510-11	Z BOARD *******	
	3-701-748-00	CLAMP	
		CAPACITOR	
C901	1-106-204-00	MYLAR 0.022MF 10% 100V	
		JACK	
J901	1-507-756-00	JACK (SMALL TYPE)	
		RESISTOR	
R901	1-202-359-15	SOLID 100 5% 1/4W	

****

MISCELLANEOUS
****

⚠1-452-247-31	DEFLECTION YOKE	
1-452-032-00	MAGNET, DISK; 10MM ϕ	
1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
1-452-277-00	MAGNET, BMC	
⚠1-536-683-21	CONNECTOR, COAXIAL ANTENNA (FOR SILVER & WALNUT)	
1-543-179-00	CORE, RING	
⚠1-551-908-31	CORD, POWER, EULO PLUG	
★1-556-894-21	CABLE, WITH PIN (FOR SILVER & WALNUT)	
⚠1-556-983-31	CONNECTOR, COAXIAL ANTENNA (FOR GRAY)	
L901 ⚠1-426-179-11	COIL, DEGAUSSING	
L902 ⚠1-426-179-11	COIL, DEGAUSSING	
S901 ⚠1-553-225-12	SWITCH, PUSH	
SP901 1-503-239-00	SPEAKER	
V901 ⚠8-736-153-05	CRT (A44JFZ00X)	

****

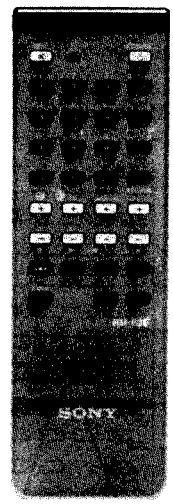
ACCESSORIES AND PACKING MATERIALS
****

Part No.	Description	Remark
A-1470-625-A	COMMANDER ASSY (RM-635)	
1-504-034-72	MAGNETIC EARPHONE ME-20	
3-701-630-00	BAG, POLYETHYLENE	
4-369-325-01	BAG, PROTECTION	
4-371-527-01	CUSHION (UPPER) (ASSY)	
4-371-528-01	CUSHION (LOWER) (ASSY)	
4-371-570-02	INDIVIDUAL CARTON (SILVER)	
4-371-574-01	INDIVIDUAL CARTON (GRAY)	
4-371-575-01	INDIVIDUAL CARTON (WOOD)	
4-493-994-51	MANUAL, INSTRUCTION	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

RM-635

SERVICE MANUAL



October, 1984

SPECIFICATIONS

Remote control system	Infrared control
Power requirements	3 V DC 2 batteries IEC designation R03 (size AAA)
Dimensions	Approx. 54 × 165 × 16 mm (w/h/d)
Weight	Approx. 100 g including batteries
Accessory supplied	2 batteries IEC designation R03

Design and specifications are subject to change without notice.

REMOTE COMMANDER

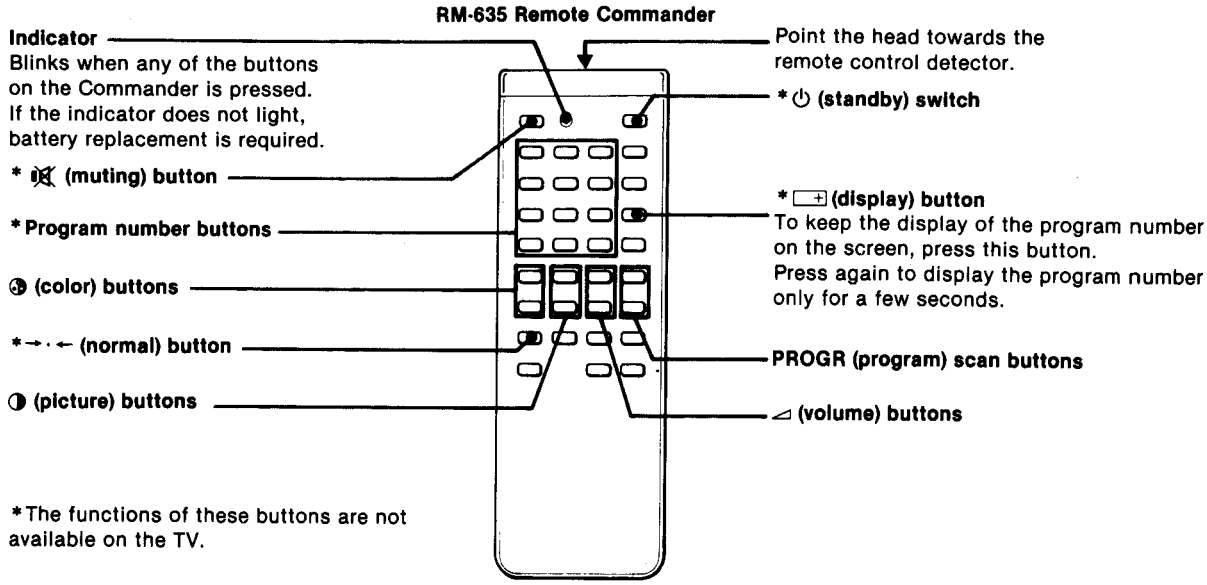
SONY®

ACC

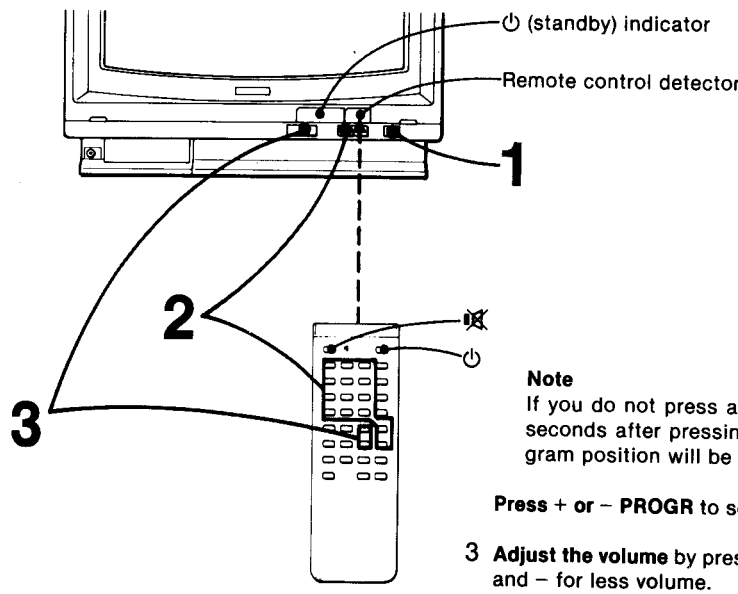
OPERATION

VIEWING TV PROGRAM

Usually the Remote Commander is all that is needed to operate the TV in everyday use.


RM-635 Remote Commander
Indicator
Blinks when any of the buttons on the Commander is pressed. If the indicator does not light, battery replacement is required.
* (muting) button
*Program number buttons
(color) buttons
*→ · ← (normal) button
(picture) buttons
*The functions of these buttons are not available on the TV.
Point the head towards the remote control detector.
*⏻ (standby) switch
* (display) button
To keep the display of the program number on the screen, press this button. Press again to display the program number only for a few seconds.
PROGR (program) scan buttons
(volume) buttons

Operation



1 **Depress** ⏻ to turn on the TV.

2 **Pointing the head of the Commander towards the remote control detector on the TV, select the TV program** in either of two ways:

Press numerals to select the program directly.
For 1 through 9, press the corresponding single-digit button.
For 10 through 19, press "1–" for the tens-digit and then the corresponding single-digit button.
For 20 through 29, press "2–" and then the corresponding single-digit button.
For 30, press "0".

Note
If you do not press a single-digit button within several seconds after pressing "1–" or "2–", the previous program position will be recalled.

Press + or – PROGR to select the program while scanning.

3 **Adjust the volume** by pressing + or – : + for more volume and – for less volume.

To put the TV in the standby mode, press ⏻.
The ⏻ indicator on the TV will light up. When the TV is in the standby mode, you can turn on the TV by pressing any of the program number buttons on the Commander.

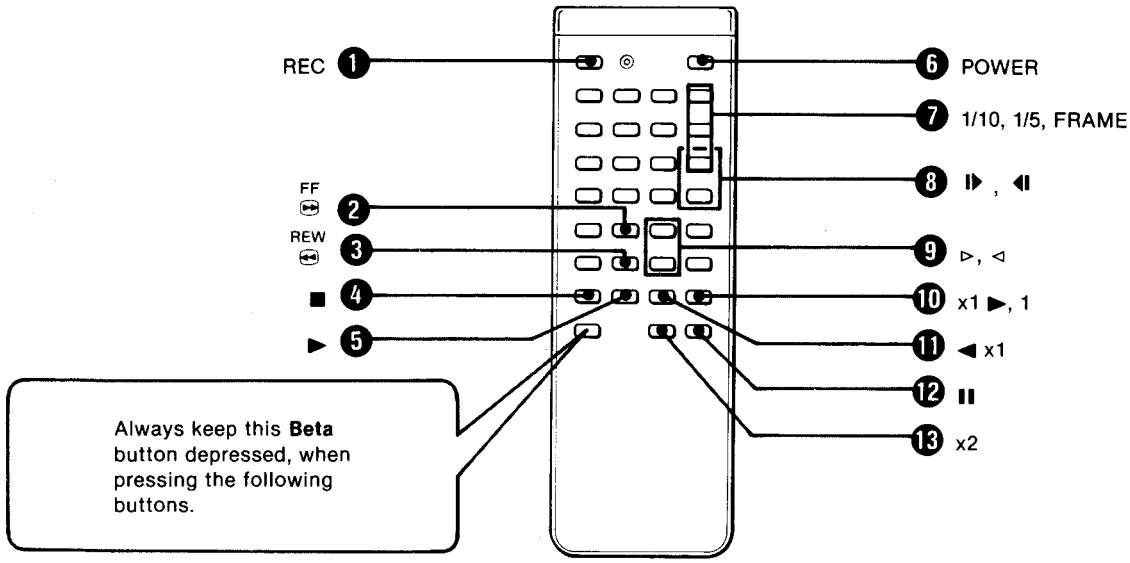
To turn off the TV completely, press ⏻ on the TV.
The TV can no longer be operated with the Commander.

To mute the sound immediately, press .
Press it again to restore the sound.

If the TV is turned off, the picture, color and sound settings will be memorized.

BUTTONS USED FOR VTR OPERATION

Remote operation of the VTR is limited to the features and functions of the VTR.
The buttons used for VTR operation are indicated in brown.



1 REC (record) button
Press to start recording.

2 FF (fast-forward) button
Press to advance the tape rapidly. This button is also used for the forward picture-search operation.

3 REW (rewind) button
Press to rewind the tape. This button is also used for the reverse picture-search operation.

4 ■ (stop) button
Press to stop the tape.

5 ▶ (play) button
Press to play the tape back.

6 POWER switch
Press to turn the video tape recorder (and the tuner timer unit) on or off.

7 Speed control buttons (1/10, 1/5, FRAME)
Function the same as the 1/10, 1/5 and FRAME of the SPEED CONTROL buttons on the recorder.

8 I▶ (forward slow motion) and ◀I (reverse slow motion) buttons
Function the same as the I▶ and ◀I SWING SEARCH buttons on the recorder.

9 ▷ (forward) and ◁ (reverse) buttons
Select the direction of the speed control playback. Function the same as the ▷ and ◁ buttons of the SPEED CONTROL buttons on the recorder.

10 1 (normal speed) button
Functions the same as the 1 button of the SPEED CONTROL buttons on the recorder.

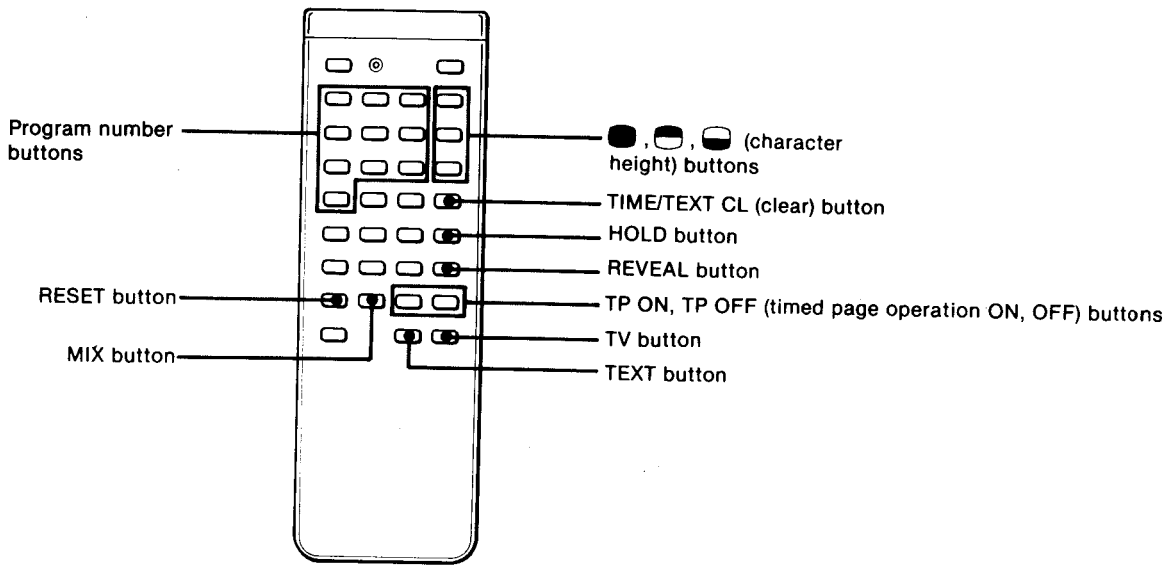
10 x1 ▶ (forward) button and 11 ◀ x1 (reverse) button
Function the same as the ▶ and ◀ SWING SEARCH buttons on the recorder.

12 II (pause) button
Press to stop the tape momentarily during recording or playback. To release the pause mode, press this button again.

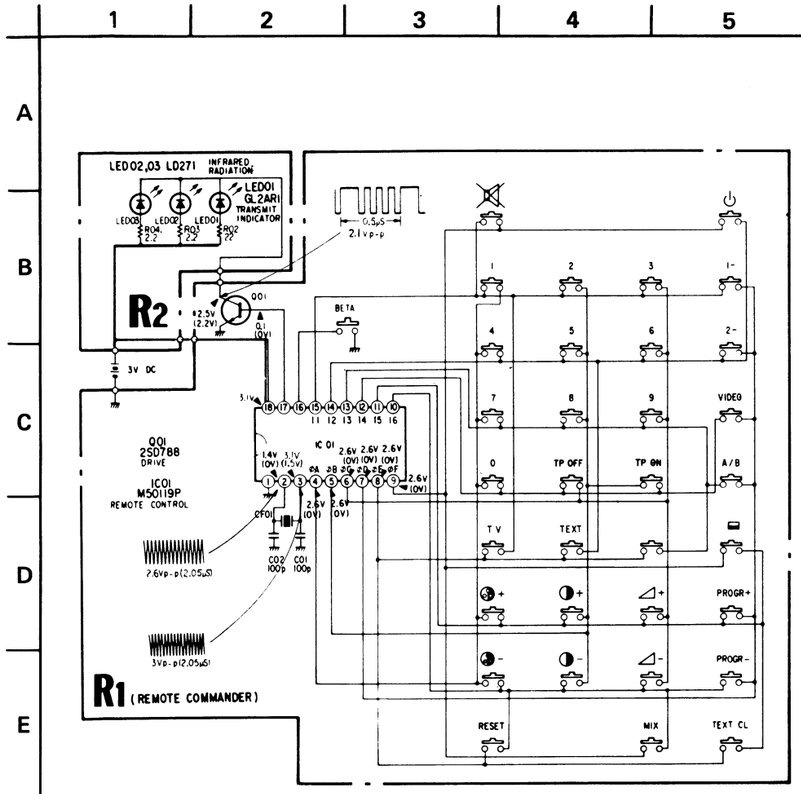
13 x2 (double-speed) button
Functions the same as the x2 button on the video tape recorder.
Press to obtain a double-speed playback picture.

BUTTONS USED FOR TELETEXT OPERATIONS

The following functions can be operated by installing the optional Sony OPK-103 or OPK-203 teletext adaptor.
For details, please read the instruction manual of the teletext adaptor.



3. SCHEMATIC DIAGRAM



MODE \ KEY	10	11	12	13	14	15	16	17
⏻	3.1	3.1	3.1	3.1	3.1	2.6	3.1 (0.15)	0
🔇	3.1	3.1	3.1	3.1	3.1	2.6	3.1 (0.15)	0
1	3.1	3.1	3.1	3.1	3.1	2.6	3.1 (0.15)	0
2	3.1	3.1	3.1	3.1	3.1	2.6	3.1 (0.15)	0
3	3.1	3.1	3.1	3.1	3.1	2.6	3.1 (0.15)	0
4	3.1	3.1	3.1	3.1	2.6	3.1	3.1 (0.15)	0
5	3.1	3.1	3.1	3.1	2.6	3.1	3.1 (0.15)	0
6	3.1	3.1	3.1	3.1	2.6	3.1	3.1 (0.15)	0
7	3.1	3.1	3.1	2.6	3.1	3.1	3.1 (0.15)	0
8	3.1	3.1	3.1	2.6	3.1	3.1	3.1 (0.15)	0
9	3.1	3.1	3.1	2.6	3.1	3.1	3.1 (0.15)	0
0	3.1	3.1	2.6	3.1	3.1	3.1	3.1 (0.15)	0
1-	3.1	3.1	3.1	3.1	3.1	2.6	3.1 (0.15)	0
2-	3.1	3.1	3.1	3.1	2.6	3.1	3.1 (0.15)	0
VIDEO	3.1	3.1	2.6	3.1	3.1	3.1	3.1 (0.15)	0
TP OFF	3.1	3.1	2.6	3.1	3.1	3.1	3.1 (0.15)	0.2
TP ON	3.1	3.1	2.6	3.1	3.1	3.1	3.1 (0.15)	0.2
A/B	3.1	3.1	3.1	2.6	3.1	3.1	3.1 (0.15)	0.2
TV	3.1	3.1	3.1	3.1	3.1	2.6	3.1 (0.15)	0
VIEWDATA	3.1	3.1	3.1	2.6	3.1	3.1	3.1 (0.15)	0
▭	3.1	2.6	3.1	3.1	3.1	3.1	3.1 (0.15)	0.2
◐ +	3.1	2.6	3.1	3.1	3.1	3.1	3.1 (0.15)	0.2
◐ −	2.6	3.1	3.1	3.1	3.1	3.1	3.1 (0.15)	0.2
◑ +	3.1	2.6	3.1	3.1	3.1	3.1	3.1 (0.15)	0.2
◑ −	2.6	3.1	3.1	3.1	3.1	3.1	3.1 (0.15)	0.2
◿ +	3.1	2.6	3.1	3.1	3.1	3.1	3.1 (0.15)	0.2
◿ −	2.6	3.1	3.1	3.1	3.1	3.1	3.1 (0.15)	0.2
PROGR +	3.1	2.6	3.1	3.1	3.1	3.1	3.1 (0.15)	0.2
PROGR −	2.6	3.1	3.1	3.1	3.1	3.1	3.1 (0.15)	0.2
RESET	2.6	3.1	3.1	3.1	3.1	3.1	3.1 (0.15)	0
MIX	2.6	3.1	3.1	3.1	3.1	3.1	3.1 (0.15)	0
TEXT CL	3.1	2.6	3.1	3.1	3.1	3.1	3.1 (0.15)	0.2

Note:

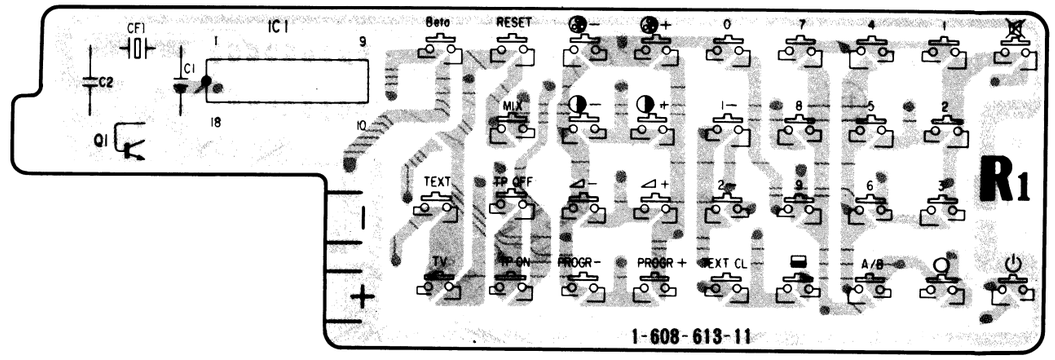
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted. kΩ = 1000Ω, MΩ = 1000kΩ
- Voltages and waveform are for when [A/B] button is pressed.
- Voltages in ( ) are taken with button not pressed.
- All voltages are in V.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10 MΩ digital multimeter.
- Voltage variations may be noted due to normal production tolerances.
- ——— : B + bus

4. PRINTED WIRING BOARDS

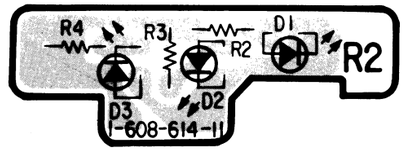
– Conductor Side –

R1 **R2**

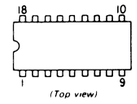
– R1 Board –



– R2 Board –



M50119P

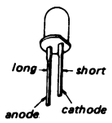


2SC1474
2SD788

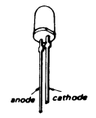
2SD773

GL-2AR1

LD271

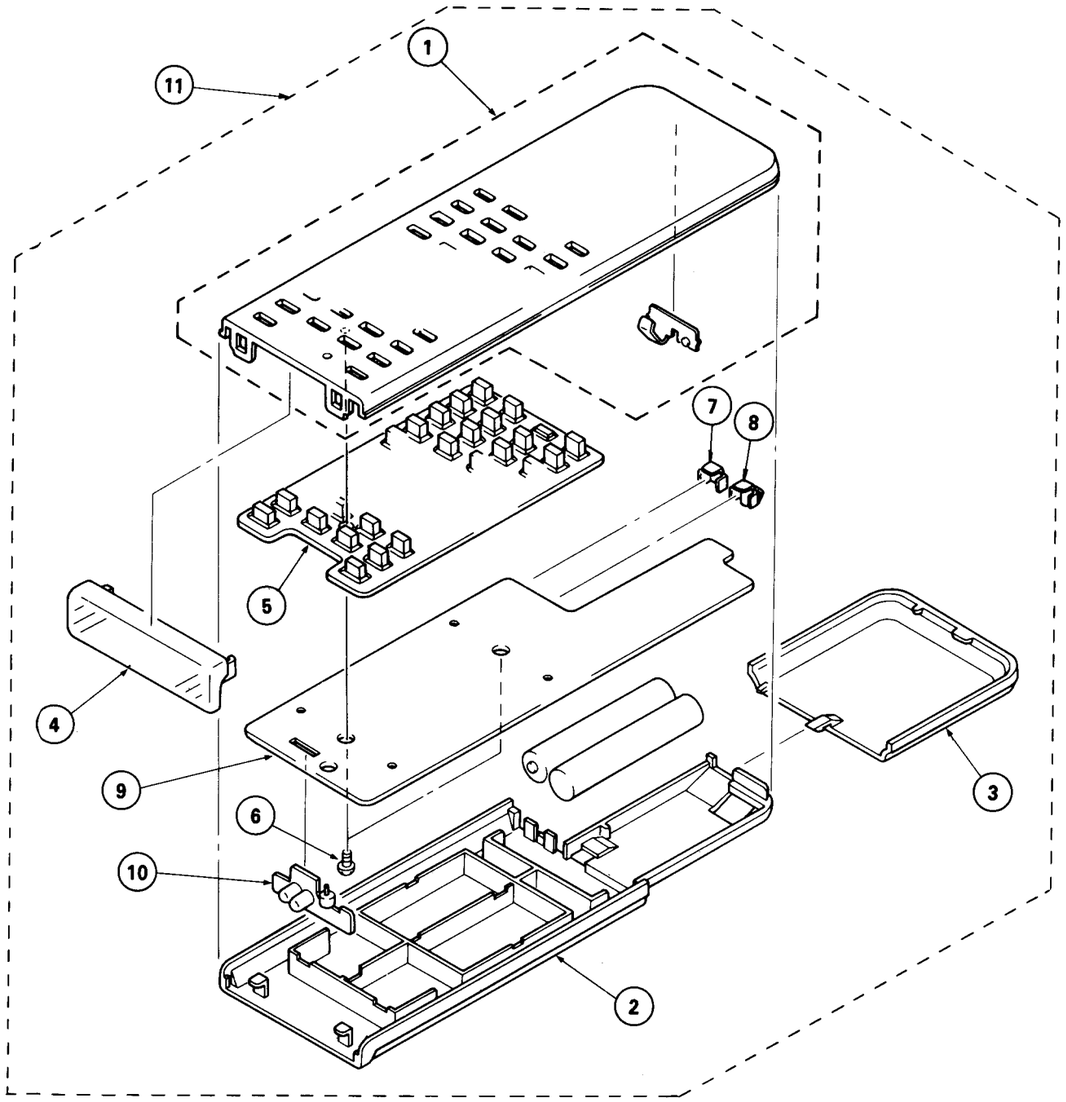


SE303A
SE303AX
SE303AY



5. EXPLODED VIEW

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



No.	Part No.	Description	Remark
1	X-4362-211-0	CASE (UPPER)ASSY, COMMANDER	
2	4-361-948-00	CASE (LOWER), COMMANDER	
3	4-361-945-00	COVER, BATTERY	
4	4-361-943-00	PANEL, FRONT, COMMANDER	
5	4-361-944-21	SHEET, RUBBER	
6	4-356-741-00	SCREW, TAPPING (BIND 2×5)	
7	4-348-542-00	TERMINAL (A), BATTERY	
8	4-348-543-00	TERMINAL (B), BATTERY	
9	*1-608-613-00	R1 BOARD	
10	*1-608-614-00	R2 BOARD	
11	A-1470-625-A	COMMANDER ASSY (RM-635)	1,~10

6. ELECTRICAL PARTS LIST

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

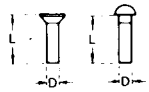
COILS
- MMH : mH, UH : μH

Ref.No.	Part No.	Description			Remark
	*1-608-613-00	R1 BOARD ********			
	4-348-542-00	TERMINAL (A), BATTERY			
	4-348-543-00	TERMINAL (B), BATTERY			
		CAPACITOR			
C01	1-161-315-00	CERAMIC	220PF	10% 50V	
C02	1-161-315-00	CERAMIC	220PF	10% 50V	
		FILTER			
CF01	1-527-476-00	OSCILLATOR, CERAMIC			
		IC			
IC01	8-759-600-07	IC M50119P			
		TRANSISTOR			
Q01	8-729-378-84	TRANSISTOR 2SD788			
	*1-608-614-00	R2 BOARD ********			
		DIODE			
D01	8-719-900-23	DIODE GL-2AR1			
LED02	8-719-107-82	DIODE SE303AY			
LED03	8-719-107-82	DIODE SE303AY			
		RESISTOR			
R02	1-247-791-00	CARBON	22	5% 1/6W	
R03	1-247-767-00	CARBON	2.2	5% 1/6W	
R04	1-247-767-00	CARBON	2.2	5% 1/6W	

HARDWARE NOMENCLATURE

Screw: – P 3 x 10

- *L: Length in mm*
- *D: Diameter in mm*
- *Type of head*
- *Indicated slotted-head only.*
- *Unless otherwise indicated, it means cross-recessed head (Phillips type).*



Nut, Washer, Retaining ring:

N 3

- *Diameter of usable screw or shaft*
- *Reference designation*

Reference Designation	Shape	Description	Remarks
		SCREWS	
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		brazier-head screw	

Reference Designation	Shape	Description	Remarks
		SELF-TAPPING SCREWS	
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
		SET SCREWS	
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
		NUT	
N		nut	
		WASHERS	
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
		RETAINING RINGS	
E		retaining ring	
G		grip-type retaining ring	

9-963-314-01

Sony Corporation

84IJ0552-1
Printed in Japan
© 1984

KV-1882EC
RM-635

SONY®
SERVICE MANUAL

Chassis No. SCC-524G-A
March, 1985
No. 1

CORRECTION

Correct the service manual as shown below.

SUBJECT: There was a mistake and lack of clarity in the description of the installation procedure for OPK-102, as given below.

: **indicates changed and added portions.**

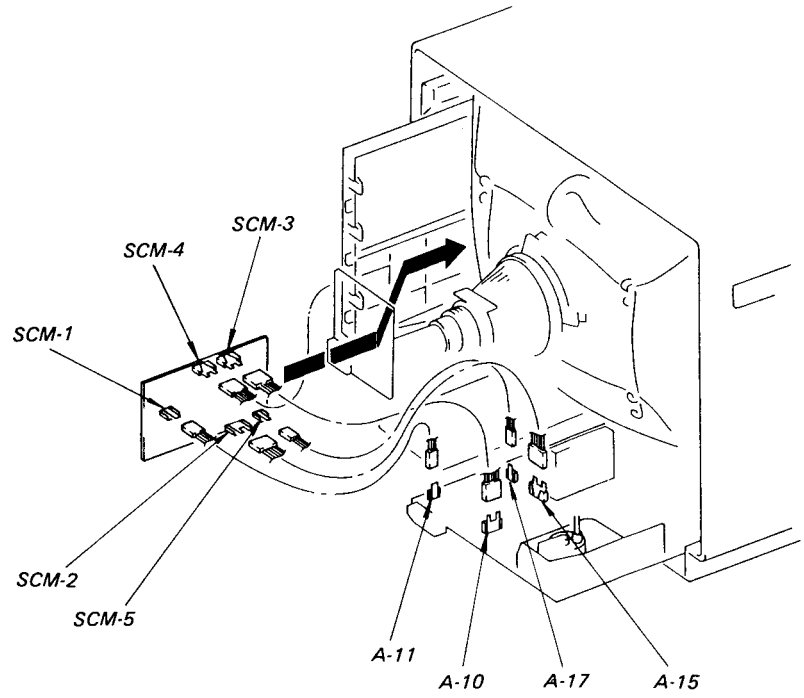
1. Page 9, 10, 11: 2-4. OPK-102 BOARD ATTACHING

MICROFILM

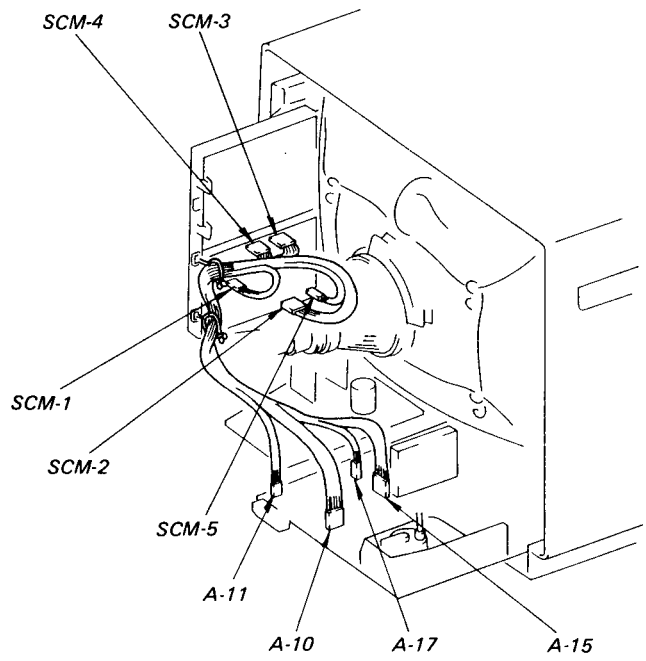
CTV

2-4. OPK-102 BOARD ATTACHING

1. OPK-102 Board Mounting.

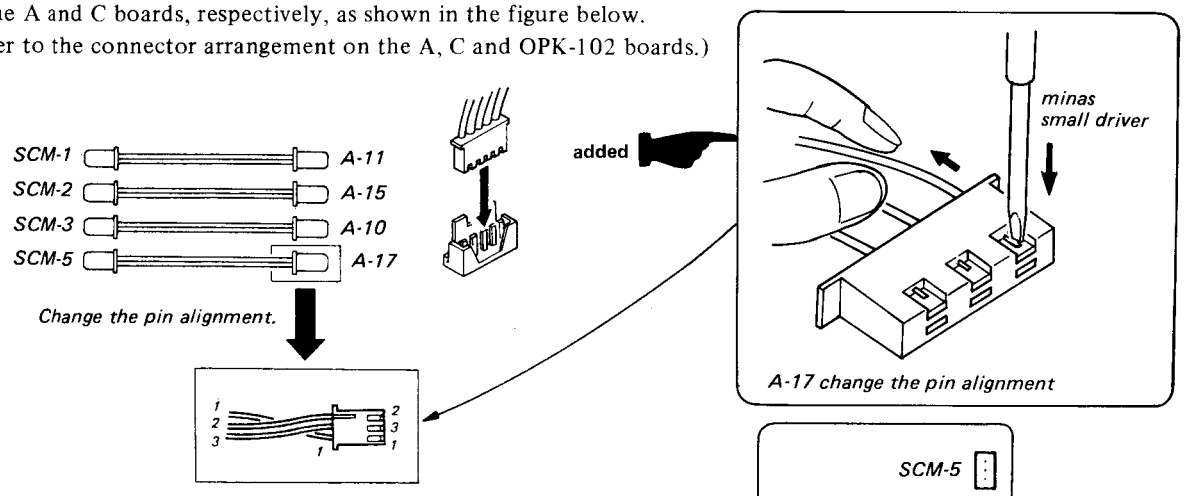


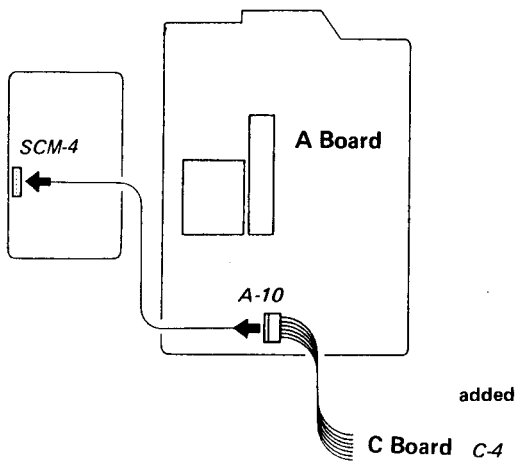
2. Attach the OPK-102 to bundle the cords with the cord clamp.

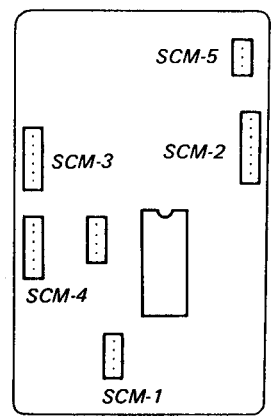


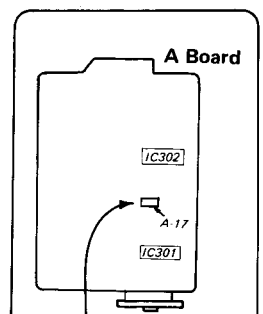
CONNECTOR CONNECTING

Connect the other end of the harness connected to the OPK-102 board to each connector on the A and C boards, respectively, as shown in the figure below.
(Refer to the connector arrangement on the A, C and OPK-102 boards.)

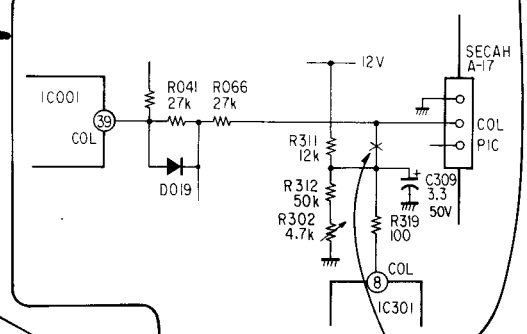




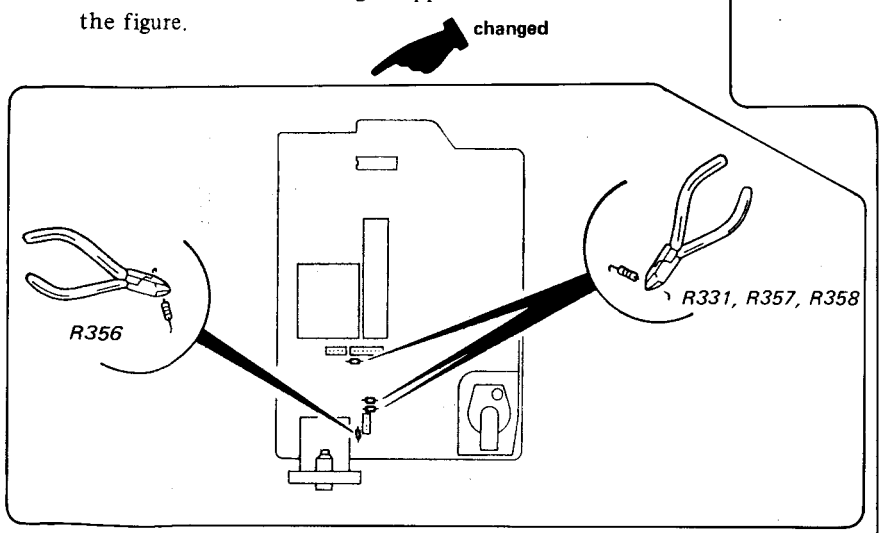


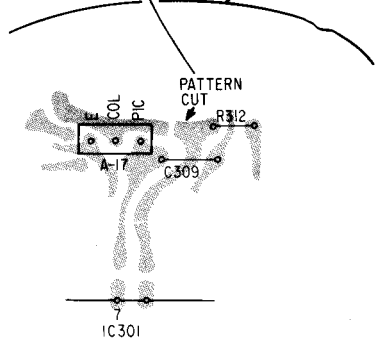


Connector arrangement on OPK-102 board.



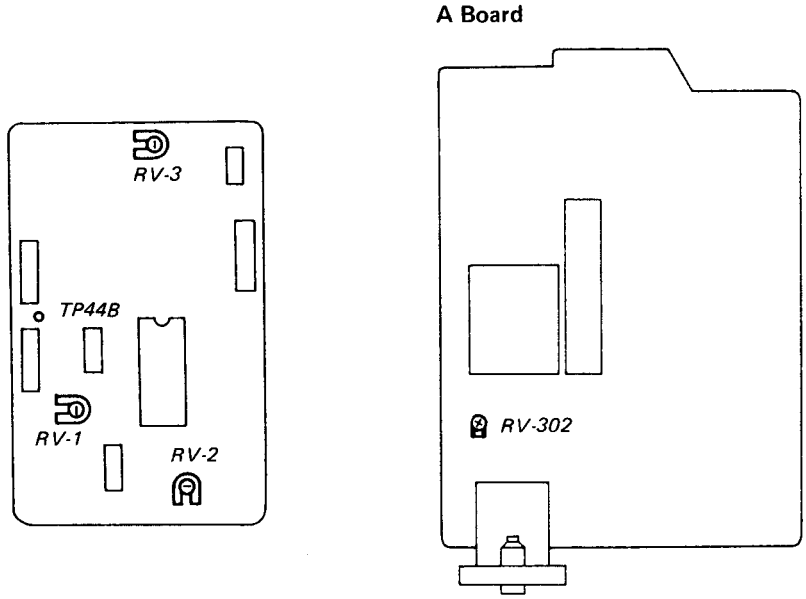
3. A Board Remodeling
Cut off the resistance using a nipper as shown in the figure.



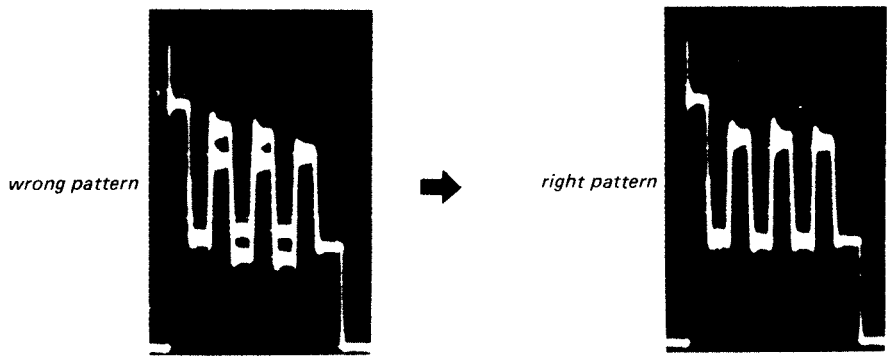


- Cut the pattern as shown in the figure.

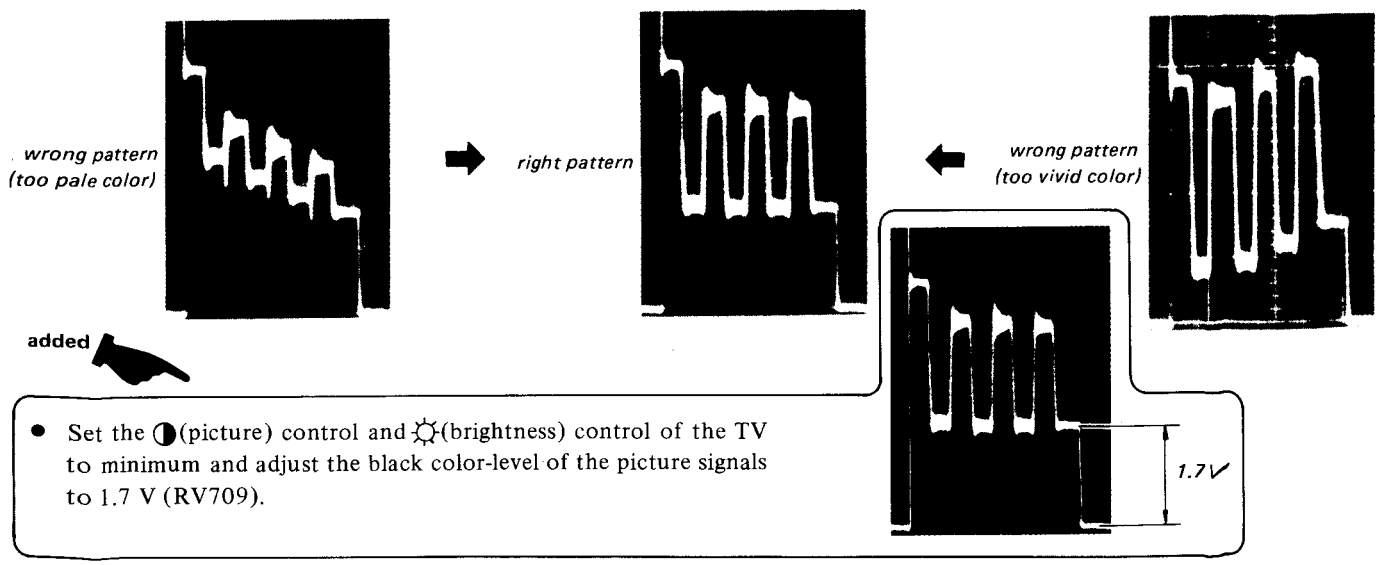
4. Adjustments



- Plug the set to a wall outlet and turn on the power.
- Connect the oscilloscope to the TP44B oscilloscope test pin on the OPK-102.
- Select the SECAM color channel and adjust the color bar pattern (RV-3).



- Select the PAL color channel and adjust the color bar pattern (RV302).



- Set the ◑(picture) control and ☼(brightness) control of the TV to minimum and adjust the black color-level of the picture signals to 1.7 V (RV709).

9-963-314-91

Sony Corporation

85C_J0552-1
Printed in Japan
© 1985